

# SDMS US EPA Region V

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Appendix 3 - Site photographs    Appendix B, D - Aerial Photographs



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**Specify Type of Document(s) / Comments:**



MANLEY BADGER, INC.  
A DYNAGEAR COMPANY

October 31, 2001

Remedial Project Management Section  
Bureau of Land  
Illinois Environmental Protection Agency  
1021 N. Grand Avenue East.  
Springfield, IL 62794-9276

Please find our answers below to your ATTACHMENT C:

1. Penny Green- V.P. of Human Resources  
Tom Gust-Maintenance Manager  
Sandy Richuisa-Purchasing Manager  
Bob Spanley-Heat Treat Manager  
Beaver Oil Co. Inc. 6037 Lenzi Ave., Hodgkins, IL 60525ATTN: Sandy  
Perkins Products, 7025 W. 66<sup>th</sup> Place, Bedford Park, IL 60638 ATTN: Brian  
Patterson  
Zep Products, 139 Exchange Blvd., Glendale Heights, IL 60130ATTN: Danny  
Rago
2. a. print of building  
b. Phase I dated 7/7/98.  
c. Phase I dated 9/13/93.
3. None
4. Penny Green- V.P. of Human Resources  
Tom Gust-Maintenance Manager  
Sandy Richuisa-Purchasing Manager  
Bob Spanley-Heat Treat Manager  
Beaver Oil Co. Inc. 6037 Lenzi Ave., Hodgkins, IL 60525ATTN: Sandy  
Perkins Products, 7025 W. 66<sup>th</sup> Place, Bedford Park, IL 60638 ATTN: Brian  
Patterson  
Zep Products, 139 Exchange Blvd., Glendale Heights, IL 60130  
ATTN: Danny Rago
5. All chemicals are bought from Perkins Products and Zep Products and stored  
according to manufacturer instructions. All waste is disposed of by Beaver Oil.
6. Dynagear constructed the building in 1987 and has occupied the building since  
construction.

RECEIVED

NOV 13 2001

IEP/BOI

7.
  - a. Property Boundaries-Legal Description
  - b. Location of underground utilities.
  - c. Surface structures
  - d. Ground wells
  - e. Storm water drainage.
  - f. Demolitions-none
  - g. Maps
8. None
9. None
10. None
11. None
12. See report from RERC Environmental dated 7-7-97 and report dated 9/13/93.
13. No, I have investigated to the best of my knowledge and there has been no incidents.
14. None
15. N/A
16. none
17. N/A
18. No
19. No Chlorinated solvent/cleaner was purchased.
20. Our records indicate no solid waste removal for the past five years and we confirmed with Beaver Oil and their records indicate that there was no solid waste removal for the last five years.

I have answered the questions with due diligence and talked to all employees with any knowledge of these facts and consulted with our vendors whose names appear in answer #1. If you have any follow-up questions, please feel free to contact me.

روزگار

**Penny K. Green**  
**V.P. Of Human Resources**

# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

## Open Dump Inspection Checklist -

FOS

County: DuPage LPC#: 0430000000 Region: Maywood

Location/Site Name: 2500 Curtiss St. Downers Grove, IL / Dynagean, Inc

Date: 6/12/98 Time: From 11:00am To 11:40am Previous Inspection Date: N/A

Inspector(s): Darlene Jensen Weather: 70°F Sunny, Soils Moist

No. of Photos Taken: # 1 Est. Amt. of Waste: 0 yds<sup>3</sup> Samples Taken: — Yes # — No —

Interviewed: Justin Perriello Complaint #: —

Send Inspection Report to: Ellen Gambich, Springfield IEPA  
Diff Gould, Maywood IEPA

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JUL 13 1998

	SECTION	DESCRIPTION	VIOL.
<b>ILLINOIS ENVIRONMENTAL PROTECTION ACT REQUIREMENTS</b>			
1.	9(a)	CAUSE, THREATEN OR ALLOW AIR POLLUTION IN ILLINOIS	
2.	9(c)	CAUSE OR ALLOW OPEN BURNING	
3.	12(a)	CAUSE, THREATEN OR ALLOW WATER POLLUTION IN ILLINOIS	
4.	12(d)	CREATE A WATER POLLUTION HAZARD	
5.	21(a)	CAUSE OR ALLOW OPEN DUMPING	
6.	21(d)	CONDUCT ANY WASTE-STORAGE, WASTE-TREATMENT, OR WASTE- DISPOSAL OPERATION:	
	(1)	Without a Permit	
	(2)	In Violation of Any Regulations or Standards Adopted by the Board =	
7.	21(e)	DISPOSE, TREAT, STORE, OR ABANDON ANY WASTE, OR TRANSPORT ANY WASTE INTO THE STATE AT/TO SITES NOT MEETING REQUIREMENTS OF ACT AND REGULATIONS	
8.	21(p)	CAUSE OR ALLOW THE OPEN DUMPING OF ANY WASTE IN A MANNER WHICH RESULTS IN ANY OF THE FOLLOWING OCCURRENCES AT THE DUMP SITE:	
	(1)	Litter	
	(2)	Scavenging	
	(3)	Open Burning	
	(4)	Deposition of Waste in Standing or Flowing Waters	
	(5)	Proliferation of Disease Vectors	
	(6)	Standing or Flowing Liquid Discharge from the Dump Site	



State of Illinois Environmental Protection Agency  
Narrative Inspection Report Document

Date of Inspection: 6/12/98

Inspector: Darlene Jensen

Site Code: 0430000000<sup>0305/25</sup>

County: DuPage

Site Name: Dynagear, Inc. 2500 Curtiss St., Downers Grove, IL 60515

Owner: Bob Green

Time: 11:00 am to 11:40 am

Weather Conditions: 70 degrees F., Sunny, Moist soils, Winds light

Interviewed: Justin Perriello, Dynagear, Inc., Safety Director

General Remarks

I performed this inspection to follow up a complaint filed with the DuPage County Solid Waste Department by the DuPage County Department of Environmental Concerns, Stormwater Management Division. According to Tomaras Woods of the Stream Maintenance Program, during the cleaning of St. Joseph Creek in Downers Grove, the County's contractor Dan Hanci witnessed a container of cutting oil drippings being dumped into the Creek by an individual on the Dynagear property. Mr. Hanci is willing to sign an affidavit pertaining to this incident which occurred during the week of May 4, 1998. According to Mr. Hanci, allegedly a fork lift was used to lift a tray of drippings which tray in turn was dumped over the bank of St. Joseph's Creek. According to Mr. Hanci, the alleged violator was aware that Mr. Hanci was present at the creek bank and was witnessing the event, however, continued to dump the gear cutting oil drippings.

The complaint was initially filed May 19, 1998 and due to the complaint being referred to several parties, and eventually to our office, I performed the inspection on June 12, 1998. I arrived at the subject site at 11:00 am and requested to see the facility owner or manager. Mr. Justin Perriello, Safety Director with Dynagear, Inc., accompanied me during my inspection. I informed Mr. Perriello of the alleged violation. We first walked to the north central perimeter of the building. I observed two large dumpsters containing gear cutting oil drippings and scrap steel shavings. (See photograph #1.)

Each dumpster was equipped with a drip pan. I observed remnants of scrap steel shavings in and about the drip pans and on the ground proximate to the dumpsters. A quantity of shavings were situated on the ground at the northwest corner of the northern most dumpster.

Mr. Perriello and I proceeded to walk the southern bank of the Creek along the perimeter of the Dynagear property. I did not observe any evidence of oil drippings or shavings along the St. Joseph Creek bank or in the Creek.

Mr. Perriello pointed out the procedure to me by which the material in the dumpsters was removed. He stated that Dynagear's contractor, Cozzi, hauled the dumpsters away and that Cozzi was also responsible for removing the material in the drip pans. He indicated that Cozzi used an area within the parking lot along the Creek bank, approximately twenty feet northeast of the dumpsters, as a staging area for removal of the material. (See attached site sketch). I suggested that he direct Cozzi to use a different area well away from the Creek. I also requested that he insure that all material from the drip pans and the shaving remnants be consistently placed in the dumpster.

I further observed a drainage collection system situated about the dumpsters. Due to the proximity of the dumpsters to the Creek bank I informed Mr. Perriello that I was concerned about the possibility of overflow from this area onto the Creek bank, should the drainage system insufficiently handle excess accumulation. The drainage system is situated approximately thirty feet to the south of the Creek bank. Again, note steel scrap shavings are inadvertently situated on the parking lot surface immediately adjacent to the dumpsters and next to the drainage system. Mr. Perriello stated that he has instructed the dumpsters be filled from a different direction to avoid spillage. Mr. Perriello indicated that the facility was investigating undertaking work to the filtration system, which among other considerations, involves cleaning out the existing trench drain, underground piping and the sump pump pit. I informed Mr. Perriello that this proposal would appear to assist in alleviating concerns for inadvertent discharge of contaminants.

I inquired as to how Dynagear handled the waste oil generated on site. Mr. Perriello informed me that Beaver Oil Company of Hodgins, Illinois removed the oil. Mr. Perriello presented me with a recent copy of the waste manifest for the waste oil, dated April 30, 1998 (see attached).

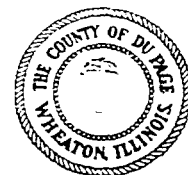
I informed Mr. Perriello that although I did not observe any apparent violations of the Environmental Protection Act or related regulations, I would be interested in performing a follow-up inspection once the proposed work was completed. I requested additional information from Mr. Perriello pertaining to the proposed project, which was faxed to me in a timely manner. I concluded the inspection at approximately 11:40 am.

End of narrative by Darlene Jensen

WASTE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address BEAVER OIL CO. INC. 2500 CLINTON DANVERS GROVE IL 60115		Location If Different		A. Illinois Manifest Document Number IL 7738806 FEE PAID IF APPLICABLE	
4. 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 1-800-441-2343		6. US EPA ID Number IL1004412343		B. Illinois Generator's ID 0430305125	
5. Transporter 1 Company Name PRINCE OIL CO. INC.		7. Transporter 2 Company Name		C. Illinois Transporter's ID 0014	
8. US EPA ID Number		9. Designated Facility Name and Site Address BEAVER OIL CO. INC. 6031 LEXINGTON AVENUE BROOKLYN, NY 10025		D. (708) 354-4040 Transporter's Phone	
10. US EPA ID Number IL1004412343		11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		E. Illinois Transporter's ID	
12. Containers No. Type		13. Total Quantity		F. ( ) Transporter's Phone	
14. Unit Wt/Vol		1. Waste No.		G. Illinois Facility's ID 101311121600001	
a. NOT DOT REGULATED USED OIL WATER		b. 0.01 1.1 5.5 0.0 G		H. Facility's Phone (708) 354-4040	
c.		d.		I. EPA HW Number XX Authorization Number	
J. Additional Description for Materials Listed Above ITEM A HAS A FLASH POINT ABOVE 200 DEGREES F EPA CLASSIFICATION FOR ITEM A IS NON-HAZARDOUS.		K. Handling Codes for Wastes Listed Above In Item #14 RECEIVED		JUL 13 1990	
15. Special Handling Instructions and Additional Information LATE OILS REMOVED 24 HOUR EMERGENCY PHONE FAX (708) 354-4040		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Kevin Ryan Signature Date 10/13/90	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Date		19. Discrepancy Indication Space		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature Date	



DuPage County  
JOHN J. CASE

COUNTY BOARD CHAIRMAN

## SOLID WASTE DEPARTMENT

(630) 682-7373

July 9, 1998

Justin Perriello.  
Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, IL 60515

7-13-98  
JUL 13 1998  
MAIL ROOM

Dear Mr. Perriello:

Please find enclosed a copy of the inspection report pertaining to the inspection performed at Dynagear, Inc. on June 12, 1998. The County of DuPage, by and through the DuPage County Solid Waste Department, is a delegated authority of the Illinois Environmental Protection Agency and is authorized to conduct inspections to determine compliance with the Illinois Environmental Protection Act and related Illinois Regulations. During routine stream maintenance of St. Joseph Creek being performed during the week of May 4, 1998, the County's contractor allegedly observed oil drippings being discharged from the Dynagear property onto the St. Joseph Creek bank. Upon investigation no apparent violations of the Environmental Protection Act were observed, however, the need to improve current management practices pertaining to the handling of steel scrap shavings and oil drippings was apparent.

During the referenced inspection you indicated that Dynagear was investigating undertaking work to the filtration system which includes cleaning out the existing trench drain and sump pump pit. Please notify our office when such work is completed, as the County of DuPage will be performing follow-up inspections of the Dynagear facility to determine compliance with the Illinois Environmental Protection Act and related regulations. If you have any questions or need additional information please contact our office at (630) 682-7373. Thank you for your cooperation.

Very truly yours,

A handwritten signature in cursive script, reading "Darlene Jensen".

Darlene Jensen  
Environmental Enforcement Officer

cc: Ellen Gambach, IEPA Springfield  
Cliff Gould, IEPA Maywood  
Jaime Neumann, State's Attorney's Office



STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY

SITE SKETCH

Date of Inspection: 6/12/98 Inspector: Darlene Jensen  
Site Code: 04308000000 County: DuPage  
Site Name: Dynagear, Inc Time: 11:00-11:40 AM

Not-to-Scale  
Woods

4N

St. Joseph Creek

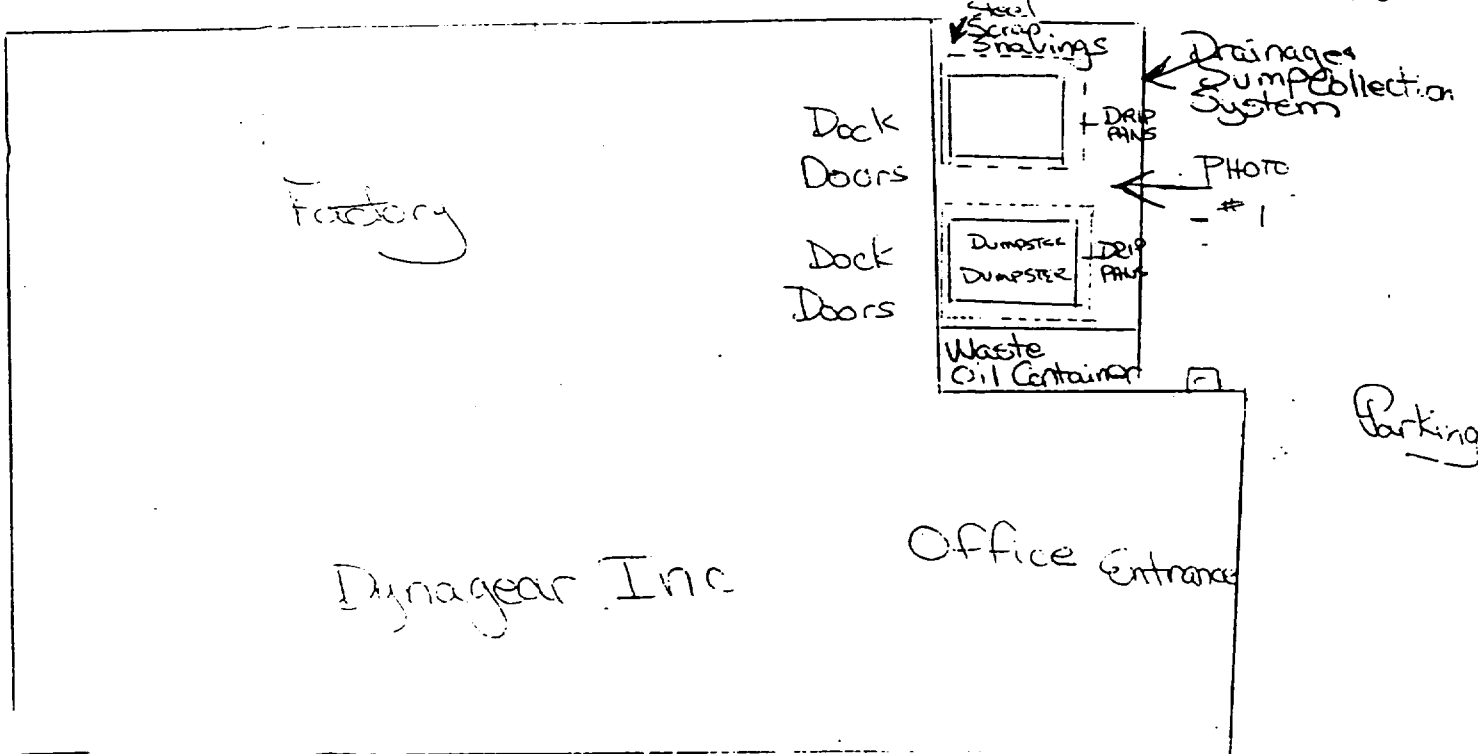
← Direction of flow

Steep Creek Bank

Property Perimeter

Parking lot

○ Manhole



Curtiss Street

Date: 6/12/98 Neg. File:  
# 1100-1170 (A.M.) P.M.

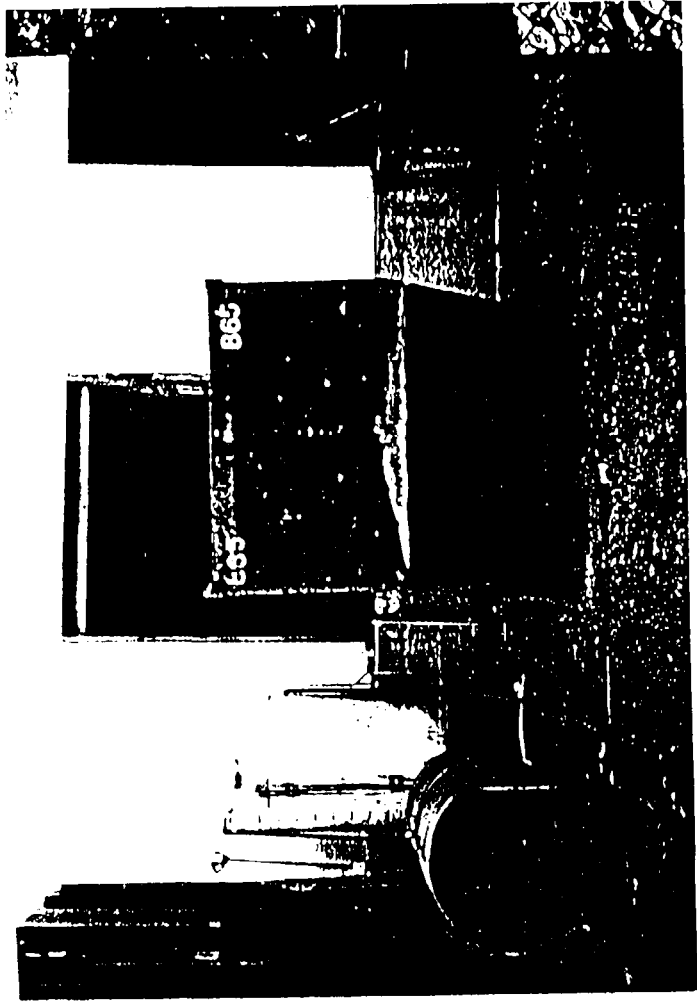
Photograph By:

Darlene Jensen  
305125  
Location # 043000000

Duplicate Co.

Dynagear, Inc.  
Photograph taken #1

ward the west; on the  
east/central location of  
facility; steel shavings,  
humpsters; oil drippings



cc:

by: A.M. P.M.

Photograph By:

Location:

Duplicate Co.

Comments: Photograph taken

oward the

Date: 6/12/92 Neg. File: \_\_\_\_\_  
Time: 11:00-11:40 (A.M.) P.M.

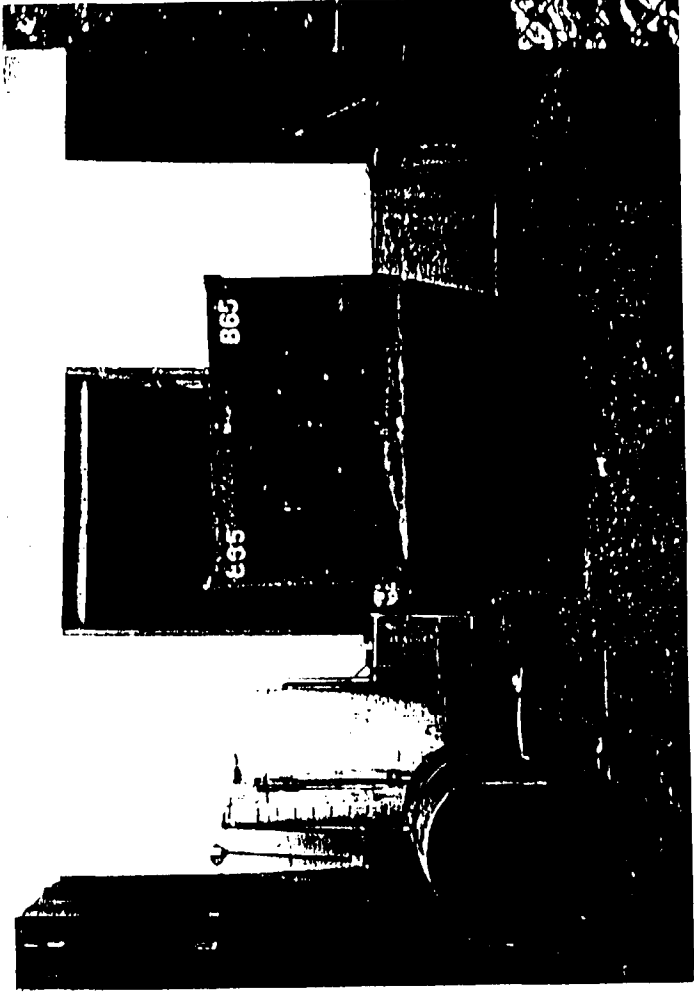
Photograph By: \_\_\_\_\_

Darlene Jensen  
Location: #043000000 305/25

Duplicate \_\_\_\_\_ Co. \_\_\_\_\_

Dynagear Inc.  
Comments: Photograph taken #1

ward the west; on the  
east/central location of  
facilitating steel shavings,  
humpsters; oil drippings



Place: \_\_\_\_\_

Time: A.M. P.M.

Photograph By: \_\_\_\_\_

Location: \_\_\_\_\_

Duplicate \_\_\_\_\_ Co. \_\_\_\_\_

Comments: Photograph taken

toward the

Date: 6/2/98 Reg. File:  
# 1100-1140 (A.M. P.M.)

Photograph By:

Darlene Jensen  
305125  
# 043000000

DuPage Co.

Dynagear, Inc.  
#1

Comments: Photograph taken

toward the west, on the  
east/central location of  
facility, steel shavings,  
dumpsters, oil drippings

Date:

Time: A.M. P.M.

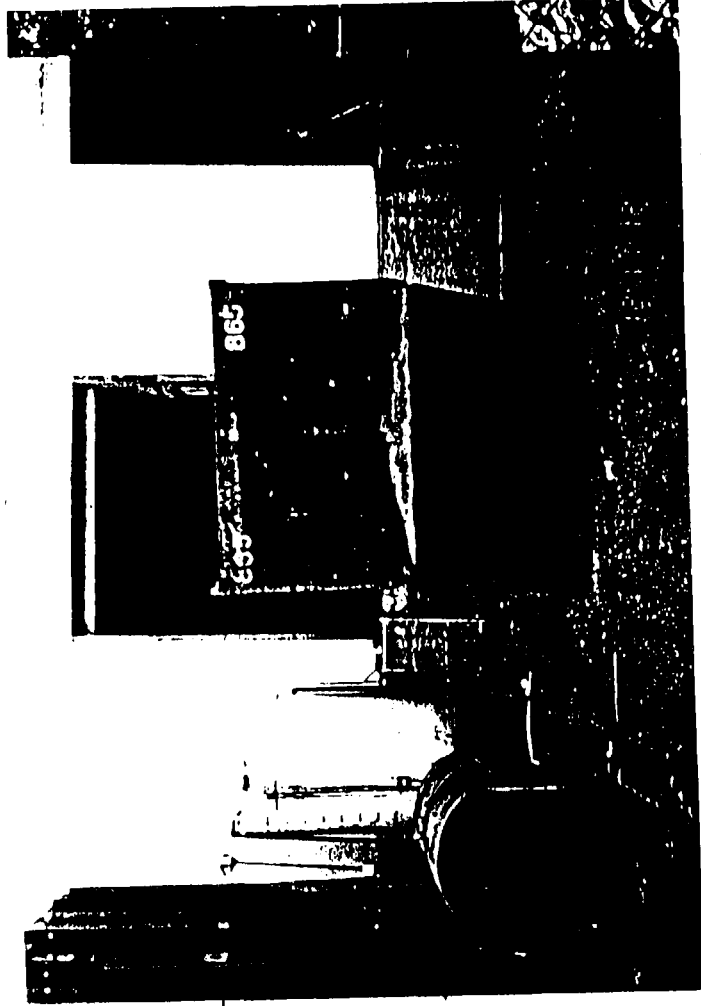
Photograph By:

Location:

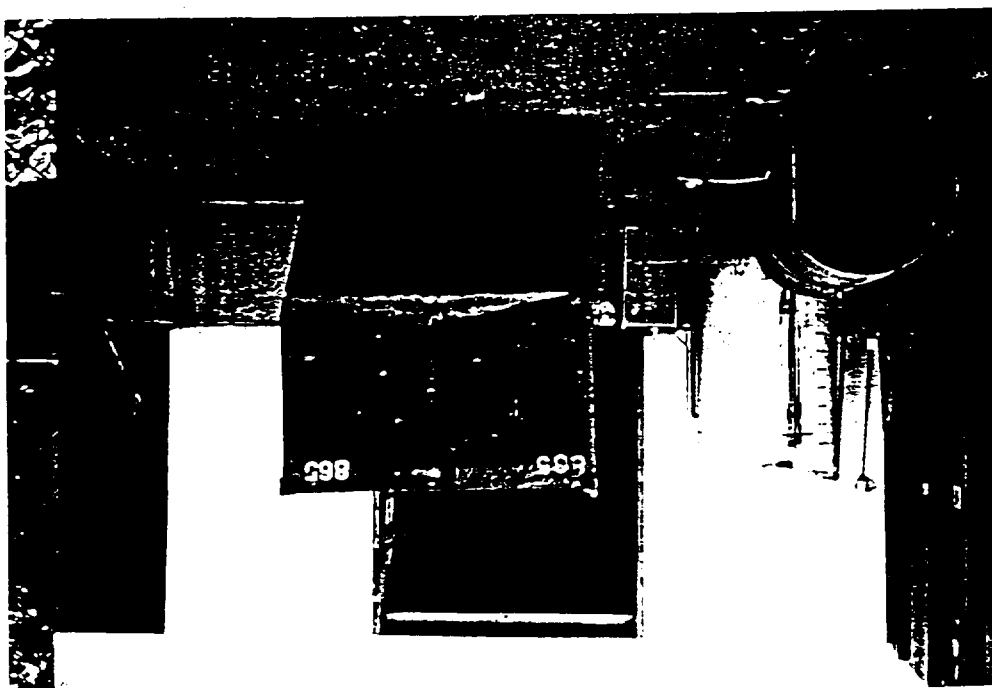
DuPage Co.

Comments: Photograph taken

toward the







# PERKINS PRODUCTS, INC.

MANUFACTURER OF INDUSTRIAL LUBRICANTS

7025 W. 66th PLACE • BEDFORD PARK, IL 60638

TELEPHONE: 312-458-2000

## PERKUT 301

PERKUT 301 has been formulated to perform as a cutting oil where low viscosity and high heat dissipation are required. PERKUT 301 generally is applied on high speed screw machining operations on free machining steels, brass, and aluminum.

## TYPICAL SPECIFICATIONS

Viscosity @ 100°F. . . . .	110 - 130 SUS
ASTM Color . . . . .	2
Flash (COC) °F . . . . .	320
Fire (COC) °F. . . . .	350
Aniline Point °F . . . . .	175
Compounding. . . . .	Yes

RECOMMENDATION: \_\_\_\_\_

PRICE: \_\_\_\_\_ \$2.60/GALLON - NET

DATE: \_\_\_\_\_

# PERKINS

PERKINS PRODUCTS, INC.  
7025 West 66th Place  
Bedford Park, IL 60638

## MATERIAL SAFETY DATA SHEET

Page 1

### SECTION I - PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: Perkut 301  
CHEMICAL FAMILY: Aliphatic Petroleum and Fatty Hydrocarbons

EMERGENCY TELEPHONE NUMBER: PERKINS PRODUCTS, INC. 708-458-2000

### SECTION II - HAZARDOUS COMPONENTS OF MIXTURES

The precise composition of this mixture is proprietary information. A complete disclosure will be provided to a physician or nurse in the event of a medical emergency.

#### COMPONENT

Hydrotreated Naphthenic Distillates TLV/PEL = 5 mg/m<sup>3</sup> (oil mist)

### SECTION III - HEALTH INFORMATION

#### FIRST AID AND NATURE OF HAZARD

EYE CONTACT: Not hazardous. This material is practically non-irritating to eyes upon direct contact.

SKIN CONTACT: May cause irritation or dermatitis in some individuals upon prolonged contact. Remove contaminated clothing. Wash exposed portions of the skin with soap and water. If irritation persists, obtain medical assistance. Launder contaminated clothing before reuse.

INHALATION: If misted, may cause irritation of mucous membranes, nose, eyes and throat. The threshold limit value (TLV) for this material as a mist or vapor is 5 mg/m<sup>3</sup>. Exposures below this value appear to be without significant health risk. Remove personnel from further exposure to excessive oil mists until condition subsides.

INGESTION: May cause irritation of mouth, throat and G.I. system. May cause nausea and vomiting. Give two glasses of water and induce vomiting immediately by sticking finger down throat. Obtain medical attention. Never give anything by mouth to an unconscious person.

# PERKINS

## SECTION IV - PERSONAL PROTECTION

### PROTECTIVE EQUIPMENT

EYES: Wear chemical goggles to prevent eye contact.

SKIN: Not required under normal usage

INHALATION: If TLV of this material is exceeded, NIOSH approved air supplied respirator is required.

VENTILATION: Use adequate ventilation to keep TLV/PEL below recommended levels.

## SECTION V - FIRE PROTECTION

FLASH POINT: 345 F.

FLAMMABLE LIMITS: Lower = 0.9 Upper = 7.0

EXTINGUISHING MEDIA: Foam, dry chemical, CO2, water mist or fog

SPECIAL FIRE FIGHTING PROCEDURES: Use air-supplied breathing apparatus when fighting fires in enclosed or confined areas or as otherwise needed.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Never use welding or cutting torch on or near drum (full or empty) as combustion or explosion may occur.

## SECTION VI - ENVIRONMENTAL PROTECTION

WASTE DISPOSAL METHOD: Waste materials should be dumped or buried in an approved industrial waste landfill. Waste material may be disposed of by an authorized scavenger service or oil/solvent reclaimer.

PROCEDURES IN CASE OF LEAKAGE: Soak up residue with absorbant. Shovel absorbed material into containers and dispose of at an approved industrial waste landfill.

## SECTION VII - PHYSICAL DATA

SPECIFIC GRAVITY: 0.91 @ 60 F.  
VAPOR PRESSURE: <0.01 mm Hg @ 20 C.  
BOILING POINT: >500 F.  
VAPOR DENSITY: >5 (air = 1)  
SOLUBILITY IN WATER: Insoluble  
VISCOSITY: 105 SUS @ 100 F.  
% VOLATILE BY VOLUME: Nil @ 60 F.

# PERKINS

MELTING POINT: Not Applicable  
EVAPORATION RATE: Nil @ 60 F.  
APPEARANCE: Pal yellow/amber liquid

## SECTION VIII - REACTIVITY DATA

STABILITY: Stable  
HAZARDOUS POLYMERIZATION: Will not occur  
CONDITIONS AND MATERIALS TO AVOID: Strong oxidizing agents  
THERMAL DECOMPOSITION PRODUCTS: Oxides of carbon and sulfur (hydrogen chloride possible)

## SECTION IX - ADDITIONAL INFORMATION

None

## SECTION X - REGULATORY CLASSIFICATION

U.S. DOT: Not Applicable

SARA 302 EXTREMELY Hazardous Substances:  
List: No components of this product are listed

SARA 312 Hazard Classification: None

SARA 313 Toxic Chemicals List: None

HMIS Ratings: Health - 1; Flammability - 1; Reactivity - 0

DATE PREPARED: DECEMBER 21, 1990

THE INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE AND IS ACCURATE TO THE BEST OF SELLER'S KNOWLEDGE. HOWEVER, SELLER MAKES NO WARRANTY WHATSOEVER, EXPRESSED, IMPLIED OR OF MERCHANTABILITY REGARDING THE ACCURACY OF SUCH DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. SELLER ASSUMES NO RESPONSIBILITY FOR INJURY TO BUYER OR TO THIRD PERSONS OR FOR ANY DAMAGE TO ANY PROPERTY. BUYER ASSUMES ALL SUCH RISKS.

WHOLESALE AND RETAIL MARKETERS  
OF  
PETROLEUM PRODUCTS

Established 1893

ANALYTICAL AND CONSULTING  
PETROLEUM CHEMISTS



Main Office and Plant  
514 to 530 West Wyoming Street  
Indianapolis, Indiana 46225

Mailing Address  
P. O. Box 1766  
Indianapolis, Indiana 46206

Telephone (317) 634-1415

RUST-TEK NO. 262

TYPICAL DESCRIPTION

A.P.I.	-	39.0	MS
SPECIFIC GRAVITY	-	0.8299	
POUNDS/GALLON	-	6.910	
VIS. @ 100°F	-	50-70 SUS	
VIS. @ 210°F	-	N/A	
FLASH POINT (TCC)	-	155-160°F min.	
FIRE POINT	-	200°F min.	
POUR POINT	-	-30°F max.	
FILM THICKNESS	-	0.10-0.20 mils (2.54-5.08 microns)	
HUMIDITY CABINET	-	50 days min.	
WATER DISPLACEMENT	-	PASS	
FINGERPRINT SUPPRESSION	-	PASS	
STAIN SUPPRESSION	-	PASS	

This product is an excellent corrosion preventative for long-term indoor storage protection of ferrous and non-ferrous parts. Solvent-based, it may be readily applied by dip, spray or brush and - following short term drying - leaves an ultra-thin residual film with outstanding humidity resistance and anti-stain properties. In addition, the material offers very effective water-displacement characteristics which make it a product of choice for use on still-wet parts following machining or alkaline cleaning.

# Material Safety Data Sheet

QUICK IDENTIFIER (See First Column Name)

Manufacturer's Name  
**CRESCENT OIL COMPANY, INC.**  
Address  
**514 W. Wyoming St.  
Indianapolis, IN 46225**

Emergency Telephone No.  
**(317) 634-1415**  
Other Information  
**(317) 634-1415**

Signature of Person Responsible for Preparation  
**Ted Lapworth**

Date Prepared  
**11/25/85**

## SECTION 1 - IDENTITY

Common Name (used on label)  
(Trade Name & Synonyms)  
**RUXT TEK NO. 262**  
Chemical Name  
**solvent-based rust preventative**  
Formula

Case No.  
**mixture (see below)**

Chemical Family

## SECTION 2 - HAZARDOUS INGREDIENTS

OSHA PEL

ACGIH TLV

IARC CARCINOGEN

Principal Hazardous Component(s) (chemical & common names)

Principal Hazardous Component(s) (chemical & common names)	OSHA PEL	ACGIH TLV	IARC CARCINOGEN
aliphatic petroleum distillate (CAS#64742-96-7)	8 hr TWA/PEL 350 mg/m <sup>3</sup> (est.)		greater than 90% No

## SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point	Flash Point	Specific Gravity (20°C)	Vapor Pressure (mm Hg)	Approximate
150°F	150°F	0.78 - 0.84	2.00	2.00
Percent Volatile by Volume (%)	GREATER THAN 90.0	Vapor Density (Air = 1) 4.9	Evaporation Rate methyl ether 70	
Solubility in Water	LESS THAN 0.5%	Stability in Water	MIL	
Appearance and Odor	VERY LIGHT-MEDIUM AMBER LIQUID, LOW VISCOSITY, MILD SOLVENT ODOR			

Flash Point	Flammable Limits in Air % by Volume	Lower	Upper	Extinguisher	Auto-Ignition Temperature
150°F min		1.0	7.0	Meth CO <sub>2</sub> , DRY CHEMICAL, FOAM	NOT DETERMINED

Special Fire Fighting Procedures  
**TREAT AS SOLVENT FIRE. RECOMMEND USE OF FULL "BUNKER GEAR" PROTECTIVE EQUIPMENT, INCLUDING SELF-CONTAINED POSITIVE-PRESSURE BREATHING APPARATUS WITH FULL FACE COVER. COOL EXPOSED CONTAINERS WITH WATER SPRAY IF POSSIBLE. AVOID BREATHING FUMES.**

Usual Fire and Explosion Hazards  
**CONTAINERS, EVEN WHEN EMPTY, MAY IGNITE EXPLOSIVELY IF EXPOSED TO HEAT OR OPEN FLAME. USE APPROPRIATE CAUTION IN STORAGE. PRODUCT VAPOURS ARE HEAVIER THAN AIR AND MAY BE IGNITED BY DISTANT SOURCES.**

## SECTION 4 - PHYSICAL HAZARDS

Stability ☐ Variable ☐ Conditions ☐ HEAT, FLAME  
Stable ☒ to Avoid

Incompatibility ☐ Materials to Avoid ☒ STRONG OXIDANTS

Hazardous Decomposition Products CARBON MONOXIDE OTHER ASPHYXIANTS

Hazardous Polymerization ☐ May Occur ☐ Conditions ☒ Will Not Occur ☒ to Avoid

## SECTION 5 - HEALTH HAZARDS

Threshold Limit Value 100 ppm, 8 hr TWA/PEL 350 mg/m<sup>3</sup>

Signs and Symptoms of Exposure 1. Acute EXCESSIVE INHALATION OF VAPORS CAN CAUSE DIZZINESS, HEADACHE, POSSIBLE ASPHYXIATION. EYE OR SKIN CONTACT MAY CAUSE MODERATE TO SEVERE IRRITATION.

2. Chronic PROLONGED AND REPEATED CONTACT MAY CAUSE DERMATITIS, SYSTEMIC SENSITIZATION. PRODUCT IS OF LOW-MODERATE SYSTEMIC TOXICITY, TARGET ORGAN EFFECTS GENERALLY UNDEFINED.

Medical Conditions Generally Aggravated by Exposure AS ANTICIPATED FROM ABOVE; SKIN CONDITION, HYPERSENSITIVITY, REACTION, PULMONARY AND HEPATIC CONDITION

### PULMONARY AND HEPATIC CONDITION

Chemical Listed as Carcinogen or Potential Carcinogen	Medical Toxicology Program	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	LC50 Monographs	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	CSA	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
OSHA Permissible Exposure Limit	ACGIH Threshold Limit Value	SEE ABOVE	SEE ABOVE	SEE ABOVE		

Emergency and First Aid Procedures

1. Inhalation IF AFFECTED REMOVE TO FRESH AIR; IF UNCONSCIOUS ADMINISTER O<sub>2</sub>, ART. RESP. IF NECESSARY. GET MEDICAL ATTENTION.

2. Eye FLUSH WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, SEE PHYSICIAN.

3. Skin THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. LAUNDER ALL CONTAMINATED CLOTHING PRIOR TO REUSE.

4. Ingestion DO NOT INDUCE VOMITING; IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPHYXIATION. GET MEDICAL ATTENTION.

## SECTION 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection IF TLV/PEL IS EXCEEDED, USE NIOSH APPROVED ATMOSPHERE SUPPLYING RESPIRATOR (Specify Type) OR AIR PURIFYING RESP. FOR ORGANIC VAPOR.

Ventilation	Local Exhaust	Mechanical (General)	Special	Other
PROVIDE SUFFICIENT VENTILATION TO MAINTAIN BELOW PEL				

Protective Clothing AS NEEDED TO AVOID REPEATED SKIN CONTACT. EYE PROTECTION: SPLASH PROOF GOGGLES

Other Protective Clothing or Equipment IMPERVIOUS CLOTHING AND BOOTS AS NEEDED TO AVOID PROLONGED OR REPEATED CONTACT.

## SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT HANDLE OR STORE NEAR HEAT OR (EVEN DISTANT) OPEN SOURCES OF IGNITION. SURFACES THAT ARE SUFFICIENTLY HOT MAY IGNITE PRODUCT IN ABSENCE OF SPARK OR FLAME.

Other Precautions DO NOT REUSE EMPTY CONTAINERS WITHOUT COMMERCIAL CLEANING OR RECONDITION. DO NOT USE CUTTING TORCH ON EMPTY CONTAINERS. WASH THOROUGH AFTER HANDLING.

Steps to be Taken in Case Material is Released or Spilled ELIMINATE ALL IGNITION SOURCES, EVEN THOSE DISTANT FROM SPILL SITE. RESTRICT AREA TO PERSONNEL WITH APPROPRIATE PROTECTIVE EQUIPMENT. CONTAIN SPILL AND PUMP TO HOLDING TANK OR ABSORB ON INERT MATERIAL. DO NOT FLOOD TO SEWER.

Waste Disposal Methods IN ACCORDANCE WITH EPA/RCRA AND OTHER FEDERAL, STATE AND LOCAL REGULATIONS. IF UNFAMILIAR WITH REGULATIONS, CONTACT LICENSED DISPOSAL FACILITY.

This information presented herein has been compiled from sources considered to be dependable and is accurate to the best of seller's knowledge; however, seller makes no warranty whatsoever, expressed, implied or of merchantability regarding the accuracy of such data or the results to be obtained from the use thereof. Seller assumes no responsibility for injury to buyer or to third persons or for any damage to any property. Buyer assumes all such risks.



Post-It™ brand fax transmittal memo 7671

# of pages 3

MATERIAL SAFETY DATA SHEET

To	Graig Shunsey	From	S. DESSAUER
Co.		Co.	
Dept.		Phone #	969-1190
Fax #		Fax #	

## SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: PERKOOL 714  
CHEMICAL FAMILY: Synthetic Coolant  
Amines and Fatty Acid Salts

EMERGENCY TELEPHONE NUMBER: PERKINS PRODUCTS, INC. 708-458-2000

## SECTION II - HAZARDOUS COMPONENTS OF MIXTURES

The precise composition of this mixture is proprietary information. A complete disclosure will be provided to a physician or nurse in the event of a medical emergency.

## COMPONENT

Monoethanolamine TLV = 3 ppm  
Diethanolamine TLV/PEL = 3 ppm

## SECTION III - HEALTH INFORMATION

## FIRST AID AND NATURE OF HAZARD

**EYE CONTACT:** This material is practically non-irritating to eyes upon direct contact. Flush with water for 15 minutes or until irritation subsides. If irritation persists, obtain medical assistance.

**SKIN CONTACT:** May cause irritation or dermatitis in some individuals upon prolonged contact. Remove contaminated clothing. Wash exposed portions of the skin with soap and water. If irritation persists, obtain medical assistance. Launder contaminated clothing before reuse.

**INHALATION:** This material has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. If misted, may cause irritation of mucous membranes, nose, eyes and throat. Remove personnel to fresh air. Obtain medical attention.

**INGESTION:** May cause irritation of mouth, throat and G.I. system. May cause nausea and vomiting. Give two glasses of water and induce vomiting immediately by sticking finger down throat. Obtain medical attention. Never give anything by mouth to an unconscious person.

# PERKINS

## SECTION IV - PERSONAL PROTECTION

### PROTECTIVE EQUIPMENT

EYES: Wear chemical goggles to prevent eye contact.

SKIN: Chemical impervious gloves and protective clothing as required to prevent skin contact.

INHALATION: If material is misted or vaporizes, a NIOSH approved respirator should be used to prevent overexposure. In accord with 29 CFR 1910.1200 use either a full-face, atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

VENTILATION: Use adequate ventilation to keep TLV/PEL below recommended levels.

## SECTION V - FIRE PROTECTION

FLASH POINT: None

FLAMMABLE LIMITS: Not Applicable

EXTINGUISHING MEDIA: Not combustible

SPECIAL FIRE FIGHTING PROCEDURES: Not applicable

UNUSUAL FIRE AND EXPLOSION HAZARDS: Never use welding or cutting torch on or near drum (full or empty) as combustion or explosion may occur.

## SECTION VI - ENVIRONMENTAL PROTECTION

WASTE DISPOSAL METHOD: Depending on local regulations, used solutions may be dumped into local sewer system. Solutions of this material may require disposal at approved industrial waste landfills.

PROCEDURES IN CASE OF LEAKAGE: Flush with water into sewer system and mop dry. Consult local regulations.

## SECTION VII - PHYSICAL DATA

SPECIFIC GRAVITY: 1.03 @ 60 F.  
VAPOR PRESSURE: <0.01 mm Hg @ 20 C.  
BOILING POINT: approx. 210 F.  
VAPOR DENSITY: Not Determined  
SOLUBILITY IN WATER: 100%  
VISCOSITY: <32 SUS @ 100 F.  
% VOLATILE BY VOLUME: Negligible

PRODUCT NAME: PERKOOL 714

## PERKINS

MELTING POINT: approx. 30 F.  
EVAPORATION RATE: <0.01 (BuAc=1)  
APPEARANCE: Blue/green Liquid

### SECTION VIII - REACTIVITY DATA

STABILITY: Stable  
HAZARDOUS POLYMERIZATION: Will not occur  
CONDITIONS AND MATERIALS TO AVOID: Strong oxidizing agents  
THERMAL DECOMPOSITION PRODUCTS: Oxides of carbon, sulfur and nitrogen

### SECTION IX - ADDITIONAL INFORMATION

NONE

### SECTION X - REGULATORY CLASSIFICATION

U.S. DOT: Not Applicable

SARA 302 EXTREMELY Hazardous Substances:

List: No components of this product are listed

SARA 312 Hazard Classification: Immediate (acute)

SARA 313 Toxic Chemicals List:

<u>Name</u>	<u>C.A.S.#</u>	<u>Percent</u>
Diethanolamine	111-42-2	<10%

HMIS Ratings: Health - 1; Flammability - 0; Reactivity - 0

DATE PREPARED: January 3, 1991

THE INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE AND IS ACCURATE TO THE BEST OF SELLER'S KNOWLEDGE. HOWEVER, SELLER MAKES NO WARRANTY WHATSOEVER, EXPRESSED, IMPLIED OR OF MERCHANTABILITY REGARDING THE ACCURACY OF SUCH DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. SELLER ASSUMES NO RESPONSIBILITY FOR INJURY TO BUYER OR TO THIRD PERSONS OR FOR ANY DAMAGE TO ANY PROPERTY. BUYER ASSUMES ALL SUCH RISKS.

# PERKINS

PERKINS PRODUCTS, INC.  
7025 West 66th Place  
Bedford Park, IL 60638

## MATERIAL SAFETY DATA SHEET

Page 1

### SECTION I - PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: Perkut 301-GG  
CHEMICAL FAMILY: Aliphatic Petroleum and Fatty Hydrocarbons

EMERGENCY TELEPHONE NUMBER: PERKINS PRODUCTS, INC. 708-458-2000

### SECTION II - HAZARDOUS COMPONENTS OF MIXTURES

The precise composition of this mixture is proprietary information. A complete disclosure will be provided to a physician or nurse in the event of a medical emergency.

COMPONENT  
Hydrotreated Naphthenic Distillates TLV/PEL = 5 mg/m<sup>3</sup> (oil mist)

### SECTION III - HEALTH INFORMATION

#### FIRST AID AND NATURE OF HAZARD

EYE CONTACT: Not hazardous This material is practically non-irritating to eyes upon direct contact.

SKIN CONTACT: May cause irritation or dermatitis in some individuals upon prolonged contact. Remove contaminated clothing. Wash exposed portions of the skin with soap and water. If irritation persists, obtain medical assistance. Launder contaminated clothing before reuse.

INHALATION: If misted, may cause irritation of mucous membranes, nose, eyes and throat. The threshold limit value (TLV) for this material as a mist or vapor is 5 mg/m<sup>3</sup>. Exposures below this value appear to be without significant health risk. Remove personnel from further exposure to excessive oil mists until condition subsides.

INGESTION: May cause irritation of mouth, throat and G.I. system. May cause nausea and vomiting. Give two glasses of water and induce vomiting immediately by sticking finger down throat. Obtain medical attention. Never give anything by mouth to an unconscious person.

# PERKINS

PERKINS PRODUCTS, INC.  
7025 West 66th Place  
Bedford Park, IL 60638

## MATERIAL SAFETY DATA SHEET

Page 1

### SECTION I - PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: Perkut 301-GG  
CHEMICAL FAMILY: Aliphatic Petroleum and Fatty Hydrocarbons

EMERGENCY TELEPHONE NUMBER: PERKINS PRODUCTS, INC. 708-458-2000

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INGESTION: May cause irritation of mouth, throat and G.I. system. May cause nausea and vomiting. Give two glasses of water and induce vomiting immediately by sticking finger down throat. Obtain medical attention. Never give anything by mouth to an unconscious person.

---

**SECTION IV - PERSONAL PROTECTION**

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**PROTECTIVE EQUIPMENT**

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**EYES:** Wear chemical goggles to prevent eye contact.

**SKIN:** Not required under normal usage

**INHALATION:** If TLV of this material is exceeded, NIOSH approved air supplied respirator is required.

**VENTILATION:** Use adequate ventilation to keep TLV/PEL below recommended levels.

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**SECTION V - FIRE PROTECTION**

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**FLASH POINT:** 280 F.

**FLAMMABLE LIMITS:** Lower = 0.9 Upper = 7.0

**EXTINGUISHING MEDIA:** Foam, dry chemical, CO2, water mist or fog

**SPECIAL FIRE FIGHTING PROCEDURES:** Use air-supplied breathing apparatus when fighting fires in enclosed or confined areas or as otherwise needed.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Never use welding or cutting torch on or near drum (full or empty) as combustion or explosion may occur.

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**SECTION VI - ENVIRONMENTAL PROTECTION**

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**WASTE DISPOSAL METHOD:** Waste materials should be dumped or buried in an approved industrial waste landfill. Waste material may be disposed of by an authorized scavenger service or oil/solvent reclaimer.

**PROCEDURES IN CASE OF LEAKAGE:** Soak up residue with absorbant. Shovel absorbed material into containers and dispose of at an approved industrial waste landfill.

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**SECTION VII - PHYSICAL DATA**

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**SPECIFIC GRAVITY:** 0.91 @ 60 F.  
**VAPOR PRESSURE:** <0.01 mm Hg @ 20 C.  
**BOILING POINT:** >500 F.  
**VAPOR DENSITY:** >5 (air = 1)  
**SOLUBILITY IN WATER:** Insoluble  
**VISCOSITY:** 80 SUS @ 100 F.  
**% VOLATILE BY VOLUME:** Nil @ 60 F.

# PERKINS

MELTING POINT: Not Applicable  
EVAPORATION RATE: Nil @ 60 F.  
APPEARANCE: Pal yellow/amber liquid

## SECTION VIII - REACTIVITY DATA

STABILITY: Stable  
HAZARDOUS POLYMERIZATION: Will not occur  
CONDITIONS AND MATERIALS TO AVOID: Strong oxidizing agents  
THERMAL DECOMPOSITION PRODUCTS: Oxides of carbon and sulfur (hydrogen chloride possible)

## SECTION IX - ADDITIONAL INFORMATION

None

## SECTION X - REGULATORY CLASSIFICATION

U.S. DOT: Not Applicable

SARA 302 EXTREMELY Hazardous Substances:  
List: No components of this product are listed

SARA 312 Hazard Classification: None

SARA 313 Toxic Chemicals List: None

HMIS Ratings: Health - 1; Flammability - 1; Reactivity - 0

DATE PREPARED: April 10, 1992

THE INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE AND IS ACCURATE TO THE BEST OF SELLER'S KNOWLEDGE. HOWEVER, SELLER MAKES NO WARRANTY WHATSOEVER, EXPRESSED, IMPLIED OR OF MERCHANTABILITY REGARDING THE ACCURACY OF SUCH DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. SELLER ASSUMES NO RESPONSIBILITY FOR INJURY TO BUYER OR TO THIRD PERSONS OR FOR ANY DAMAGE TO ANY PROPERTY. BUYER ASSUMES ALL SUCH RISKS.

PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter)

EPA Form 8700-22 (Rev. 6-89)

Form Approved OMB No. 2050-0039 Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No.		Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address		Location If Different DYNAGEAR INC 2500 CURTIS DOWNERS GROVE IL 60515		4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS* (708) 969-1008		5. Transporter 1 Company Name BEAVER OIL CO., INC.	
		6. US EPA ID Number ILD064418353		7. Transporter 2 Company Name		8. US EPA ID Number	
9. Designated Facility Name and Site Address BEAVER OIL CO., INC. 6037 LENZI AVENUE HODGKINS, IL 60525		10. US EPA ID Number ILD064418353		11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity
a. NON-HAZARDOUS LIQUID OIL & WATER				001 TT 039.60 G		14. Unit WT/Vol	
b.							
c.							
d.							
15. Special Handling Instructions and Additional Information							
24 HOUR EMERGENCY PHONE NO: (708) 354-4040							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name BENJAMIN AGUIRRE				Signature <i>Benjamin Aguirre</i>		Date Month Day Year 070893	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature Mike Malek		Date Month Day Year 070893	
Printed/Typed Name Mike Malek				Signature		Date Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
Printed/Typed Name				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19							
Printed/Typed Name SHELLY COWAN				Signature <i>Shelly Cowan</i>		Date Month Day Year 070893	

This Agency is authorized to require, pursuant to Illinois Revised Statutes 1989, Chapter 111, 1/2 Section 1004 and 1005, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falseification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR



<b>UNIFORM WASTE MANIFEST</b>		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address DYNAGEAR INC 2500 CURTIS DOWNERS GROVE IL 60515		Location If Different		Illinois Manifest Document Number IL 103729997 Fee Paid, If Applicable Illinois Generator ID Illinois Transporter ID Illinois Facility ID Illinois Manifest Number Illinois Manifest Date	
4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS* (708) 969-1008		6. US EPA ID Number TID064416353		Illinois Transporter ID Illinois Facility ID Illinois Manifest Number Illinois Manifest Date	
5. Transporter 1 Company Name BEAVER OIL CO., INC.		8. US EPA ID Number		Illinois Transporter ID Illinois Facility ID Illinois Manifest Number Illinois Manifest Date	
7. Transporter 2 Company Name		10. US EPA ID Number		Illinois Transporter ID Illinois Facility ID Illinois Manifest Number Illinois Manifest Date	
9. Designated Facility Name and Site Address BEAVER OIL CO., INC. 6037 LEXIE AVENUE MOKENS, IL 60525		11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		Illinois Transporter ID Illinois Facility ID Illinois Manifest Number Illinois Manifest Date	
		12. Containers No. Type		13. Total Quantity	
a. NON-HAZARDOUS LIQUID OIL & WATER		20. 1T 1030006		14. Unit Wt/Vol	
b.					
c.					
d.					
15. Special Handling Instructions and Additional Information		24 HOUR EMERGENCY PHONE NO: (708) 354-4040		Handling Codes for Waste Listed Above Gallons Cubic Yards	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name		Signature		Date	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Date	
Printed/Typed Name Philip Fournier Sr		Signature Philip Fournier Sr		Date 08/04/93	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date	
Printed/Typed Name		Signature		Date	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name		Signature		Date	

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 5. GENERATOR MAIL TO IEPA  
(RCRA AND PCB WASTE)

In case of a spill call the Illinois Office of Emergency Response at 217/782-7860 and the National Response Center at 800/424-8802 or 202/426-2675.

# PERKINS

Using in place of Trim Rinse 200  
at Wash Tank in Geor Dept.

74 2-26-92

PERKINS PRODUCTS, INC.  
7025 West 66th Place  
Bedford Park, IL 60638

## MATERIAL SAFETY DATA SHEET

Page 1

### SECTION I - PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: PERCHEM 1348  
CHEMICAL FAMILY: Alkaline Salts and Organic Surfactants

EMERGENCY TELEPHONE NUMBER: PERKINS PRODUCTS, INC. 708/458-2000

### SECTION II - HAZARDOUS COMPONENTS OF MIXTURES

The precise composition of this mixture is proprietary information. A complete disclosure will be provided to a physician or nurse in the event of a medical emergency.

COMPONENT  
Caustic Potash TLV = 2 mg/m<sup>3</sup>  
Sodium Metasilicate PEL = 2 mg/m<sup>3</sup> as TWA

### SECTION III - HEALTH INFORMATION

#### FIRST AID AND NATURE OF HAZARD

EYE CONTACT: Will cause burning or stinging of eyes and lids, watering of eyes and inflammation of conjunctiva. Flush eyes immediately with large amounts of water. Hold lids apart to ensure flushing of the entire surface. Seek immediate medical attention.

SKIN CONTACT: May cause irritation or dermatitis in some individuals upon prolonged contact. Remove contaminated clothing. Wash exposed portions of the skin with soap and water. If irritation persists, obtain medical assistance. Launder contaminated clothing before reuse.

INHALATION: This material has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. If misted, may cause irritation of mucous membranes, nose, eyes and throat. Remove personnel to fresh air. Obtain medical attention.

INGESTION: May cause severe burns and complete tissue perforation of mucous membranes of the mouth, throat, esophagus and stomach. Do not induce vomiting. Drink large quantities of water or milk. Seek immediate medical attention.

# PERKINS

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## SECTION IV - PERSONAL PROTECTION

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### PROTECTIVE EQUIPMENT

---

EYES: Chemical goggles or face shield

SKIN: Chemical impervious gloves and protective clothing as required to prevent skin contact.

INHALATION: If material is misted or vaporizes, a NIOSH approved respirator should be used to prevent overexposure. In accord with 29 CFR 1910.1200 use either a full-face, atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

VENTILATION: Use adequate ventilation to keep TLV/PEL below recommended levels.

---

## SECTION V - FIRE PROTECTION

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FLASH POINT: None

FLAMMABLE LIMITS: Not Applicable

EXTINGUISHING MEDIA: Not combustible

SPECIAL FIRE FIGHTING PROCEDURES: Not applicable

UNUSUAL FIRE AND EXPLOSION HAZARDS: Never use welding or cutting torch on or near drum (full or empty) as combustion or explosion may occur.

---

## SECTION VI - ENVIRONMENTAL PROTECTION

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WASTE DISPOSAL METHOD: Solutions of this material may require disposal at approved industrial waste landfills. Depending on local regulations, used solutions may be dumped into local sewer system.

PROCEDURES IN CASE OF LEAKAGE: Flush with water into sewer system and mop dry. Consult local regulations.

---

## SECTION VII - PHYSICAL DATA

---

SPECIFIC GRAVITY: 1.13 @ 60 F.  
VAPOR PRESSURE: <0.01 mm Hg @ 20 C.  
BOILING POINT: approx. 210 F.  
VAPOR DENSITY: Not Determined  
SOLUBILITY IN WATER: Complete

# PERKINS

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% VOLATILE BY VOLUME: Negligible  
MELTING POINT: approx. 30 F.  
EVAPORATION RATE: <0.01 (BuAc=1)  
APPEARANCE: Water White to Pale Yellow Liquid

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## SECTION VIII - REACTIVITY DATA

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STABILITY: Stable  
HAZARDOUS POLYMERIZATION: Will not occur  
CONDITIONS AND MATERIALS TO AVOID: Strong oxidizing agents and strong mineral acids  
THERMAL DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen

---

## SECTION IX - ADDITIONAL INFORMATION

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NONE

---

## SECTION X - REGULATORY CLASSIFICATION

---

U.S. DOT: Not Applicable

SARA 302 EXTREMELY Hazardous Substances:  
List: No components of this product are listed

SARA 312 Hazard Classification: Immediate (acute)

SARA 313 Toxic Chemicals List: None

HMIS Ratings: Health - 1; Flammability - 0; Reactivity - 0

---

DATE PREPARED: November 5, 1990

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THE INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE AND IS ACCURATE TO THE BEST OF SELLER'S KNOWLEDGE. HOWEVER, SELLER MAKES NO WARRANTY WHATSOEVER, EXPRESSED, IMPLIED OR OF MERCHANTABILITY REGARDING THE ACCURACY OF SUCH DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. SELLER ASSUMES NO RESPONSIBILITY FOR INJURY TO BUYER OR TO THIRD PERSONS OR FOR ANY DAMAGE TO ANY PROPERTY. BUYER ASSUMES ALL SUCH RISKS.

SECRET

CLASS SECRET DATA SECRET

PRODUCT CODE:

00000

CLASSIFIED, 1999/12/22-2000

FORM:

0000 1-1

CLASSIFIED, 1999/12/22-2000

PRODUCT NAME:

000 000 000 000 000

WARNING STATEMENTS:

DO NOT DISCLOSE

PRODUCT NAME:

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CLC Lubricants Company

100 S. Old Kirk Road

P.O. Box 764

Geneva, IL 60134

(708) 232-7900

MATERIAL SAFETY DATA SHEET

Product Code No. 010692

Chemtrec: (800) 424-9300

NFPA: \_\_\_\_\_ HMIS: 1-2-0

1-slight, 2-moderate, 3-serious, 4-severe

Product Name: CLC Clean 750

Warning Statements: Combustible Liquid  
Eye and Skin Irritant  
Do Not Ingest

Chemical Name: Hydrocarbon Mixture

DOT Shipping Name: Paint Related Material, Combustible Liquid  
UN1263

SARA Title III Section 313: N/A

Ingredients:

Hydrotreated Distillate, Light  
CAS# 64742-47-8

TLV - 100 ppm ACGIH TWA  
100 ppm OSHA TWA

Naphtha, Heavy  
CAS# 64741-41-9

TLV - 100 ppm ACGIH TWA  
100 ppm OSHA TWA  
200 ppm MSHA STEL

EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: If irritation or redness develops, move victim away from exposure and into fresh air. Flush eyes with clean water. If symptoms persists, seek medical attention.

Skin Contact: Remove contaminated shoes and clothing and cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists, seek medical attention.

Inhalation: If respiratory symptoms develop, move victim into fresh air. If symptoms persist, seek medical attention.

Ingestion: Aspiration Hazard: Do not induce vomiting or give anything by mouth since this material can enter the lungs and cause severe lung damage. Seek medical attention.

Boiling point, F 315-395 Specific Gravity (water = 1) 0.799 % Volatile 100

Solubility in Water Negligible Evaporation Rate (Ether = 1) slower Vapor Density 4.8

Viscosity, SUS @ 100 F N/A Appearance and Odor clear liquid, characteristic odor

Clean 750

---

### Effects of Overexposure

---

Eyes: May cause mild irritation, stinging, tearing and redness.

Skin: May cause mild skin irritation, redness, burning, and drying and cracking of the skin.

Inhalation: High concentrations may cause irritation of the nose and throat and signs of central nervous system depression (E.G., headaches, drowsiness, dizziness, fatigue and loss of coordination.)

Ingestion: Excessive quantities may cause irritation of the digestive tract and signs of central nervous system depression (as above).

Other: Aspiration Hazard: This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

---

### Special Protection Information

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Respiratory Protection: As needed if concentrations exceed the established exposure limits.

Ventilation: Sufficient to satisfy established exposure limits.

Protective Gloves: Chemical resistant

Eye Protection: Safety goggles to avoid

Other Equipment: Eye wash and safety shower in work areas: splashing.

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibility: Strong oxidants, strong acids or bases, selected amines

Hazardous Decomposition Products: Oxides of carbon

---

### Precautions in Case of Spill or Release:

Remove all sources of ignition. Prevent entry into sewers or waterways by diking.

Absorb small amounts using inert material.

### Waste Disposal Method:

Assure compliance with applicable federal, state and local regulations.

Handling and Storage Precautions: Keep containers closed when not in use.

Flash Point Range: 20F-100F X 100F-200F Over 200F  
None 107 Actual

### Extinguishing Media:

Foam, dry chemical, carbon dioxide

### Unusual Fire/Explosion Hazards:

Avoid contact with heat, sparks, flame, strong oxidants, all sources of ignition.

### Fire Fighting Procedures:

Use supplied-air respirator for confined areas.

---

Issue Date: 1-6-92

Preparer: K. Ferruzza



CLC LUBRICANTS  
100 S. OLD KIRK RD.  
P.O. Box 764  
GENEVA, IL 60134  
(708)232-7900

# MATERIAL SAFETY DATA SHEET

PRODUCT CODE#: 021793

CHENTREC:(800)424-9300

NFPA: HMIS: 1-1-0

1-SLIGHT, 2-MODERATE, 3-SERIOUS, 4-SEVERE

PRODUCT NAME: CLC LUBE UNIVERSAL ATF

WARNING STATEMENTS:

DO NOT INGEST

CHEMICAL NAME: MIXTURE

DOT SHIPPING NAME: N/A

SARA TITLE III SECTION 313: N/A

## INGREDIENTS:

PETROLEUM HYDROCARBON BLEND  
CAS# 64742-54-7  
64742-65-0

TLV - 5 mg/M3 (OSHA TWA / ACGIH TWA)

## EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

SKIN CONTACT: WASH WITH SOAP AND WATER. IF IRRITATION OCCURS, SEEK MEDICAL ATTENTION.

INHALATION: REMOVE TO FRESH AIR. IF BREATHING DIFFICULTIES ARISE, SEEK MEDICAL ATTENTION.

INGESTION: CONSULT A PHYSICIAN

BOILING POINT, F ABOVE 400 SPECIFIC GRAVITY(WATER=1) LIGHTER % VOLATILE NEGLIGIBLE

SOLUBILITY IN WATER NEGLIGIBLE EVAPORATION RATE(ETHER=1) SLOWER VAPOR DENSITY N/D

VISCOSITY, SUS @ 100 F 180-200 APPEARANCE AND ODOR RED LIQUID

=====

EFFECTS OF OVEREXPOSURE

=====

EYES: MAY RESULT IN MILD EYE IRRITATION.

SKIN: PROLONGED OR REPEATED SKIN CONTACT MAY RESULT IN IRRITATION.

INHALATION: INHALATION OF HIGH VAPOR CONCENTRATIONS EVOLVED AT ELEVATED TEMPERATURES.  
MAY RESULT IN RESPIRATORY IRRITATION.

INGESTION: MAY RESULT IN GASTROINTESTINAL IRRITATION.

OTHER: NONE

=====

SPECIAL PROTECTION INFORMATION

=====

RESPIRATION PROTECTION: NORMALLY NOT NEEDED IF TLV IS NOT EXCEEDED.

VENTILATION: SUFFICIENT TO SATISFY TLV.

PROTECTIVE GLOVES: OIL RESISTANT  
OTHER EQUIPMENT: NONE SPECIAL

EYE PROTECTION: SAFETY GLASSES TO AVOID  
SPLASHING.

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INCOMPATIBILITY: STRONG OXIDANTS

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON, SULFUR, NITROGEN; HYDROGEN SULFIDE

=====

PRECAUTIONS IN CASE OF SPILL OR RELEASE:

PREVENT ENTRY INTO SEWERS OR WATERWAYS BY DIKING. ABSORB SMALL AMOUNTS USING  
INERT MATERIAL.

WASTE DISPOSAL METHOD:

ASSURE COMPLIANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

HANDLING AND STORAGE PRECAUTIONS: KEEP CONTAINERS CLOSED WHEN NOT IN USE. STORE AWAY FROM HEAT.

FLASH POINT RANGE: \_\_\_\_\_ 20F-100F \_\_\_\_\_ 100F-200F ☒ OVER 200F  
\_\_\_\_\_ NONE \_\_\_\_\_ ACTUAL

EXTINGUISHING MEDIA:

FOAM, DRY CHEMICAL, CARBON DIOXIDE

UNUSUAL FIRE/EXPLOSION HAZARDS:

AVOID CONTACT WITH STRONG OXIDANTS .

FIRE FIGHTING PROCEDURES:

USE SUPPLIED - AIR RESPIRATOR FOR CONFINED AREAS

ISSUE DATE: 2/17/93

PREPARER: K. FERRUZZA

CLC LUBRICANTS COMPANY  
100 S. OLD KERN RD.  
P.O. Box 754  
GENEVA, IL 60134  
(708)232-7900

MATERIAL SAFETY DATA SHEET

PRODUCT CODE#: 010793 CHEMTREC: (800)424-9300

NFPA: HMIS: G-1-0 1-SLIGHT, 2-MODERATE, 3-SERIOUS, 4-SEVERE

PRODUCT NAME: CLC LUBE HO-32-Z, HO-46-Z, HO-68-Z WARNING STATEMENTS: DO NOT INGEST  
EYE AND SKIN IRRITANT

CHEMICAL NAME: MIXTURE

DOT SHIPPING NAME: N/A

SARA TITLE III SECTION 313: N/A

INGREDIENTS:

PETROLEUM HYDROCARBON BLEND

TLV - 5 mg/M3 (OSHA TWA / ACGIH TWA)

CAS # 64742-56-1  
64742-54-7  
64742-57-0

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

SKIN CONTACT: WASH WITH SOAP AND WATER. IF IRRITATION OCCURS, SEEK MEDICAL ATTENTION.

INHALATION: REMOVE TO FRESH AIR. IF BREATHING DIFFICULTIES ARISE, SEEK MEDICAL ATTENTION.

INGESTION: CONSULT A PHYSICIAN

BOILING POINT, F ABOVE 400 SPECIFIC GRAVITY(WATER=1) LIGHTER % VOLATILE NEGLIGIBLE

SOLUBILITY IN WATER NEGLIGIBLE EVAPORATION RATE(ETHER=1) SLOWER VAPOR DENSITY N/D

VISCOSITY, SUS @ 100 F VARIOUS APPEARANCE AND ODOR LIGHT YELLOW TO AMBER LIQUIDS

=====

EFFECTS OF OVEREXPOSURE

=====

EYES: MAY RESULT IN MILD EYE IRRITATION.

SKIN: PROLONGED OR REPEATED SKIN CONTACT MAY RESULT IN IRRITATION.

INHALATION: INHALATION OF HIGH VAPOR CONCENTRATIONS EVOLVED AT ELEVATED TEMPERATURES.  
MAY RESULT IN RESPIRATORY IRRITATION.

INGESTION: MAY RESULT IN GASTROINTESTINAL IRRITATION.

OTHER: NONE

=====

SPECIAL PROTECTION INFORMATION

=====

RESPIRATION PROTECTION: NORMALLY NOT NEEDED IF TLV IS NOT EXCEEDED.

VENTILATION: SUFFICIENT TO SATISFY TLV.

PROTECTIVE GLOVES: OIL RESISTANT

OTHER EQUIPMENT: NONE SPECIAL

EYE PROTECTION: SAFETY GLASSES TO AVOID  
SPLASHING.

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INCOMPATIBILITY: STRONG OXIDANTS

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON, PHOSPHORUS, SULFUR, ZINC, HYDROGEN SULFIDE.

=====

PRECAUTIONS IN CASE OF SPILL OR RELEASE:

PREVENT ENTRY INTO SEWERS OR WATERWAYS BY DIKING. ABSORB SMALL AMOUNTS USING  
INERT MATERIAL.

WASTE DISPOSAL METHOD:

ASSURE COMPLIANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

HANDLING AND STORAGE PRECAUTIONS: KEEP CONTAINERS CLOSED WHEN NOT IN USE. STORE AWAY FROM HEAT.

FLASH POINT RANGE: \_\_\_\_\_ 200F-200F \_\_\_\_\_ 100F-200F x \_\_\_\_\_ OVER 200F  
\_\_\_\_\_ NONE \_\_\_\_\_ ACTUAL

EXTINGUISHING MEDIA: FOAM, DRY CHEMICAL, CARBON DIOXIDE

UNUSUAL FIRE/EXPLOSION HAZARDS: AVOID CONTACT WITH STRONG OXIDANTS AND ACIDS

FIRE FIGHTING PROCEDURES: GASE SUPPLIED - AIR RESPIRATOR FOR CONFINED AREAS

=====

ISSUE DATE: 1/7/88

PREPARER: K. FERRUZZA

CLC Lubricants Company  
100 S.Old Kirk Rd.  
P.O. Box 764  
Geneva, IL 60134  
(708)232-7900

MATERIAL SAFETY DATA SHEET

Product Code#: 021293 Infotrac: 1-800-535-5053

MFPA: HMIS: 1-1-0 1-slight, 2-moderate, 3-serious, 4-severe

Product Name: CLC Lube WL-160, 300, 500, 950 Warning Statements: Do Not Ingest

Chemical Name: Mixture

DOT Shipping Name: N/A

SARA Title III Section 313: N/A

Ingredients:

PETROLEUM HYDROCARBON BLEND

TLV - 5 mg/M3 (OSHA TWA / ACGIH TWA)

CAS# 64742-54-7  
64742-57-0

EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: Flush with water for 15 minutes. If irritation-persists, seek medical attention.

Skin Contact: Wash with soap and water. If irritation occurs, seek medical attention.

Inhalation: Remove to fresh air. If breathing difficulties arise, seek medical attention.

Ingestion: Consult a Physician

Boiling point,F Above 300 Specific Gravity(water=1) lighter % Volatile Negligible

Solubility in Water Negligible Evaporation Rate(ether=1) slower Vapor Density N/D

Viscosity,SUS @ 100 F Various Appearance and Odor Amber/brownish liquid, mild odor

Effects of Overexposure

Eyes: May result in mild eye irritation.

Skin: Prolonged or repeated skin contact may result in irritation.

Inhalation: Inhalation of high vapor concentrations evolved at elevated temperatures.  
may result in respiratory irritation.

Ingestion: May result in gastrointestinal irritation.

Other: None

Special Protection Information

Respiration Protection: Normally not needed if TLV is not exceeded.

Ventilation: Sufficient to satisfy TLV.

Protective Gloves: Oil Resistant

Other Equipment: None Special

Eye Protection: Safety glasses to avoid  
splashing.

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibility: Strong oxidants

Hazardous Decomposition Products: Oxides of carbon, sulfur-

Precautions in Case of Spill or Release:

Prevent entry into sewers or waterways by diking. Absorb small amounts using  
inert material.

Waste Disposal Method:

Assure compliance with applicable federal, state and local regulations.

Handling and Storage Precautions: Keep containers closed when not in use. Store away from heat.

Flash Point Range: 20F-100F 100F-200F x Over 200F  
None Actual

Extinguishing Media:

Foam, Dry Chemical, Carbon dioxide

Unusual Fire/Explosion Hazards:

Avoid contact with strong oxidants and acids

Fire Fighting Procedures:

Use supplied - air respirator for confined areas

Issue Date: 2/12/83

Preparer: K. Ferruzzi

*POST INNAVIOE*

# PERKINS

PERKINS PRODUCTS, INC.  
7025 West 66th Place  
Bedford Park, IL 60638

## MATERIAL SAFETY DATA SHEET

Page 1

### SECTION I - PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: Perkote 40-264-D  
CHEMICAL FAMILY: Aliphatic Petroleum Distillates and Waxes/  
Sulfonates

EMERGENCY TELEPHONE NUMBER: PERKINS PRODUCTS, INC. 708-458-2000

### SECTION II - HAZARDOUS COMPONENTS OF MIXTURES

The precise composition of this mixture is proprietary information. A complete disclosure will be provided to a physician or nurse in the event of a medical emergency.

#### COMPONENT

Aliphatic Petroleum Distillates TLV = 100 ppm  
Barium Sulfonate PEL = Not Established

### SECTION III - HEALTH INFORMATION

#### FIRST AID AND NATURE OF HAZARD

EYE CONTACT: May cause severe irritation, redness, tearing blurred vision. Flush with water for 15 minutes or until irritation subsides. If irritation persists, obtain medical assistance.

SKIN CONTACT: Prolonged or repeated contact may cause moderate irritation, defatting and drying of skin and dermatitis. Remove contaminated clothing. Wash exposed portions of the skin with soap and water. If irritation persists, obtain medical assistance. Launder contaminated clothing before reuse. Apply moisturizing skin cream if dryness persists.

INHALATION: Excessive inhalation of vapors may cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation. Remove personnel to fresh air. Obtain medical attention. If breathing has stopped, apply artificial respiration and administer oxygen if necessary. Obtain medical assistance.

# PERKINS

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INGESTION: May cause irritation of mouth, throat and G.I. system. May cause nausea and vomiting. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Do not induce vomiting. Obtain medical assistance.

---

## SECTION IV - PERSONAL PROTECTION

---

### PROTECTIVE EQUIPMENT

EYES: Wear chemical goggles to prevent eye contact.

SKIN: Use chemical resistant gloves, if needed, to prevent prolonged or repeated skin contact.

INHALATION: If TLV of this material is exceeded, NIOSH approved air supplied respirator is required.

VENTILATION: Provide ventilation sufficient to prevent exceeding recommended exposure limit or TLV or buildup of explosive concentrations of vapor in air.

---

## SECTION V - FIRE PROTECTION

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FLASH POINT: 140 F. (TCC)

FLAMMABLE LIMITS: Lower = 1.0 Upper = <5.0

EXTINGUISHING MEDIA: Foam, dry chemical, CO<sub>2</sub>, water mist or fog Use water to keep fire-exposed containers cool.

SPECIAL FIRE FIGHTING PROCEDURES: Use air-supplied breathing apparatus when fighting fires in enclosed or confined areas or as otherwise needed.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Heating of non-vented containers may cause explosion. Never use welding or cutting torch on or near drum (full or empty) as combustion or explosion may occur.

---

## SECTION VI - ENVIRONMENTAL PROTECTION

---

WASTE DISPOSAL METHOD: May be incinerated at an approved site. Waste material may be disposed of by an authorized scavenger service or oil/solvent reclaimer.

PROCEDURES IN CASE OF LEAKAGE: Eliminate all sources of ignition. Recover free product. Add absorbent material to spill area. Keep product out of sewer and waterways by diking or impounding. Advise local authorities if product has or may enter sewers, waterways or extensive land areas. Assure conformity with applicable governmental regulations.

---



**ENVIRONMENTAL ASSESSMENT  
OF  
DYNAGEAR, INC. FACILITY  
2500 CURTISS STREET  
DOWNERS GROVE, ILLINOIS 60515**

**Job No. 2853**

**Prepared for:**

**Mr. Ray McCann  
Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, Illinois 60515**

**Prepared by:**

**RERC Environmental, Inc.  
2 North LaSalle Street  
Suite 400  
Chicago, Illinois 60602  
(312) 346-5467**

**September 13, 1993**

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- Appendix 1 - Site Questionnaire
- Appendix 2 - Personnel Qualifications
- Appendix 3 - Site Photographs
- Appendix 4 - Environmental Database Listing
- Appendix 5 - Material Safety Data Sheets and Manifest Sheets

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- Figure 1 - Site Plan
- Figure 2 - Topographical Map

## **EXECUTIVE SUMMARY**

### **BACKGROUND**

On September 2, 1993, RERC Environmental performed an environmental assessment of the Dynagear, Inc. facility located at 2500 Curtiss Street in Downers Grove, Illinois. The assessment included a review of the property's prior-use history, a visual inspection for hazardous-material contamination, a visual inspection for asbestos-containing materials, a search for above ground and underground storage tanks, a search for PCB-containing electrical equipment, and a review of neighboring properties based on available environmental databases.

The subject property is an 8-acre parcel of land improved with a 6 year old, 1-story, 128,000 square-foot warehouse and manufacturing building. The building is occupied by Dynagear, Inc. and Global Gear, Inc. Global Gear is a subdivision of Dynagear, Inc. Both companies manufacture timing and chain gears and a fiber timing gear for the automotive industry.

The site is a triangular-shaped parcel of land located on the north side of Curtiss Street. It is situated in an industrial area on the west side of the Village of Downers Grove. Joseph Creek forms the north and east property lines for the subject property. The property is bordered on the north and west by the Downers Grove Sanitation District; on the north and east by Rexnord; and on the south by Scott, Inc., Ames Supply Company, and Fusibond Piping Systems, Inc.

### **OBSERVATIONS AND CONCLUSIONS**

Visual observations by RERC Environmental disclosed no conditions that would appear to indicate the need for additional environmental study of the subject property. Management should continue to regularly monitor proper spill control methods and storage procedures for all chemicals and materials used or generated on the property. The practice of recycling spent batteries and metal scrap should be continued. Waste manifests for recycled materials and liquid wastes should be maintained on-site for proper documentation. The Material Safety Data sheets for hazardous materials and chemicals should be maintained on-site and be readily available to employees or regulatory agency representatives.


RERC Environmental found no visual evidence, records, or historical information that would give reason to suspect any USTs exist on the subject property. RERC Environmental did identify 12 ASTs on the subject property. It is RERC Environmental's opinion that the most appropriate action concerning the ASTs include the installation of a concrete or metal containment around the tanks. This type of containment is a protective measure in the event of an accidental release of lubricants or waste oils.

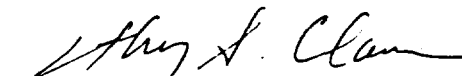
In addition, an emergency response plan should be developed and copies provided to the local fire department and the local emergency planning committee.

## CERTIFICATION AND LIMITATIONS

- The reported observations and conclusions are limited only by the reported assumptions and limiting conditions and represent our unbiased and professional analysis, opinions, and conclusions.
- The investigation has been performed in accordance with all applicable legal requirements and in accordance with accepted practices prevailing in the environmental assessment industry. The personnel who performed the investigation are properly licensed and certified in accordance with the requirements of all federal, state, and local laws, rules and regulations.
- RERC Environmental, Inc., its officers, and its employees have no present or contemplated interest in the property. Our employment and compensation for preparing this report are not contingent upon our observations or conclusions.
- The site was personally visited by Randy Livingston of RERC Environmental.
- To the best of my knowledge and belief, the statements of fact contained herein, on which our observations, opinions, and conclusions were based, are true and correct.
- The investigation was conducted on behalf of and for the exclusive use of Dynagear, Inc., solely for use in an environmental evaluation of the Site. This report and findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party, in whole or in part without prior written consent of RERC Environmental, Inc. However, RERC Environmental acknowledges and agrees that the report may be conveyed to the lender and title insurer associated with the refinancing and or property transfer of the site.
- All information in this report is from sources deemed to be reliable; however, no representation or warranty is made as to the accuracy thereof.

RERC ENVIRONMENTAL, INC.

  
Randy Livingston  
Project Scientist

  
Anthony S. Claveria  
Senior Engineer

## **1.0 INTRODUCTION**

**Site Name:** Dynagear, Inc.

**Site Address:** 2500 Curtiss Street  
Downers Grove, Illinois 60515

**Prepared For:** Mr. Ray McCann  
Vice President  
Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, Illinois 60515

**Job Number:** 2853

### **1.1 BACKGROUND**

RERC Environmental was retained by Dynagear, Inc. on August 25, 1993, to conduct a Phase I Environmental Assessment of the Dynagear, Inc. facility located at 2500 Curtiss Street in Downers Grove, Illinois. The purpose of the assessment was to provide an objective, independent, professional opinion of the potential environmental risks, if any, associated with the subject property.

As part of the site assessment, a site questionnaire was sent to Mr. McCann. A copy of the questionnaire, which was completed by Mr. Balan Menon, General Manager of Dynagear, Inc., is included as Appendix 1. Following a review of the completed questionnaire and interview with Mr. Tim Knight, Toolroom and Maintenance Manager, of Dynagear an inspection of the site was completed.

The on-site inspection was conducted by Randy Livingston, Project Scientist for RERC Environmental (Appendix 2), on September 2, 1993. The inspector was accompanied by Mr. Knight during the inspection. At the time of inspection, weather conditions were overcast with temperatures in the 70s.

With the permission of Mr. Knight photographs of the subject property were taken as a tool in preparing this report. Relevant photographs are included in this report as Appendix 3. Copies of all photographs taken will be maintained in RERC Environmental's project files.

## 1.2 SCOPE OF WORK

The purpose of this environmental assessment was to identify the immediate and most recognizable environmental concerns at the subject property. The assessment was limited to the following scope of work as agreed to by Dynagear, Inc.:

- Prior-Use History Review,
- Visual Inspection of the Subject Property,
- Identification of Potential Asbestos-Containing Building Materials,
- Aboveground and Underground Storage Tank Search,
- PCB-Containing Electrical Equipment Identification, and
- Neighboring Properties Review.

## 1.3 SITE DESCRIPTION

The subject property is an 8-acre parcel of land improved with a 6 year old, 1-story, 128,000 square-foot warehouse and manufacturing building. The building is occupied by Dynagear, Inc. and Global Gear, Inc. Global Gear is a subdivision of Dynagear, Inc. Both companies manufacture timing and chain gears and a fiber timing gear for the automotive industry.

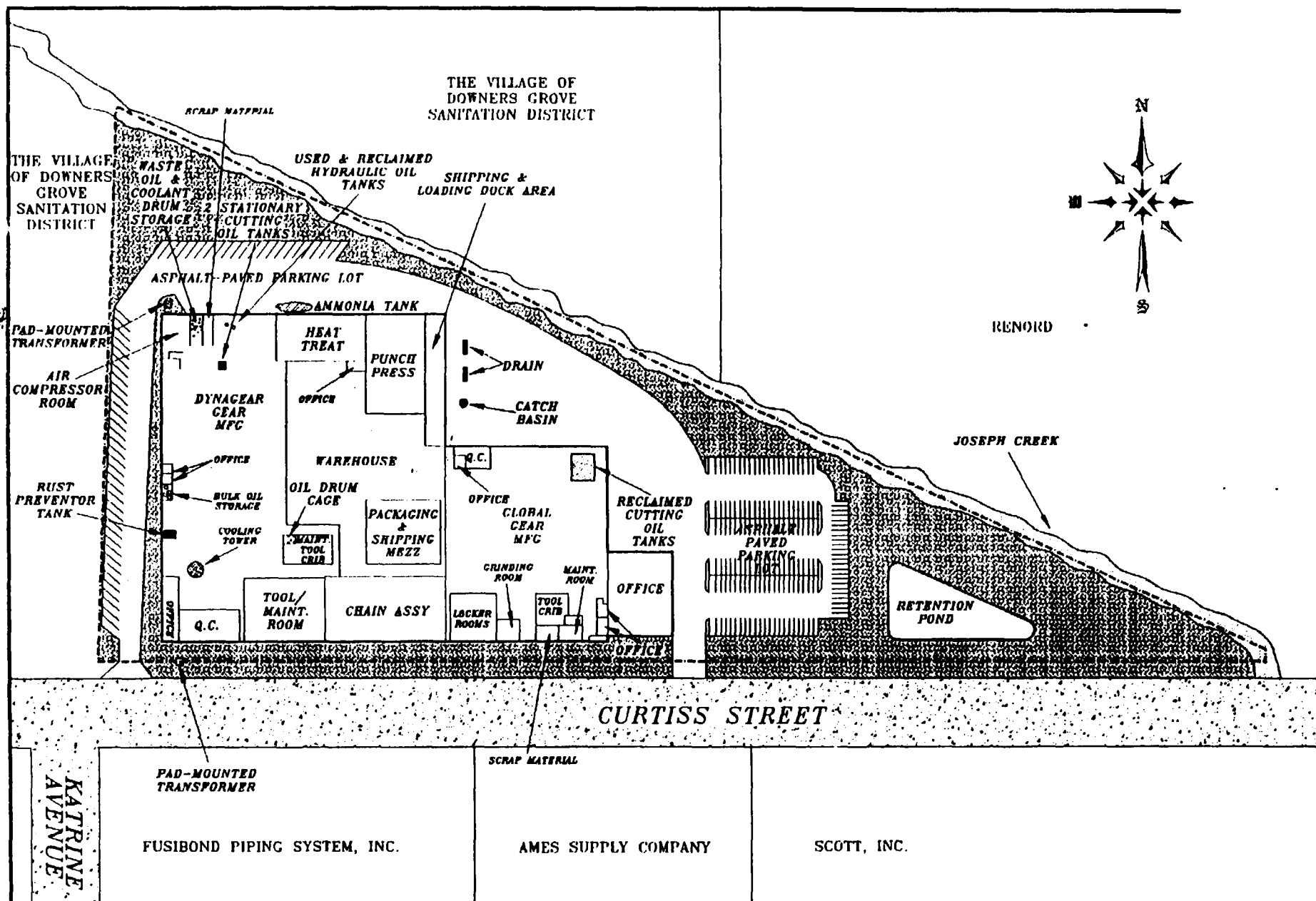
The manufacturing process of the timing gears include, lathturning, honning or grinding and hobbing castings. The hobbing operation includes cutting teeth into a gear, washing and rinsing the gear with warm water and applying a rust inhibitor. The timing chain manufacturing process include punch pressing steel coils to make plates, and the plates are then heat treated, washed and rinsed with water. The plates are passed through a corn cob drying process before being assembled into a chain. The fiber timing gear manufacturing process is a similar process to the production of timing chains. The finished products are packaged and shipped for distribution to automotive manufactures.

The site is a triangular-shaped parcel of land located on the north side of Curtiss Street. It is situated in an industrial area on the west side of the Village of Downers Grove. Joseph Creek forms the north and east property lines for the subject property. The property is bordered on the north and west by the Downers Grove Sanitation District; on the north and east by Rexnord; and on the south by Scott, Inc., Ames Supply Company, and Fusibond Piping Systems, Inc.



The subject property receives its electricity, gas, water, solid waste, and sanitary services from the following sources:

- Electricity - Commonwealth Edison Company
- Gas - Northern Illinois Gas Company
- Water - Village of Downers Grove (Lake Michigan)
- Sanitation - Village of Downers Grove
- Solid Waste - ROT's Disposal Service, Inc., a Division of Browning Ferris Industries, Inc.



# SITE MAP



2 NORTH LASALLE STREET  
SUITE 400  
PHONE: 312.346.5467  
FAX: 312.726.7291

SHEET TITLE:  
2853

DRAWN BY:  
WVS.R

APPROVED BY:  
R.L.

PROJECT NO.:  
2853  
DATE:  
9-14-93

SHEET NO.:  
FIGURE #1  
SCALE:  
1 1/4"

## **2.0 PRIOR USE HISTORY REVIEW**

### **2.1 SCOPE**

An effort was made to determine the prior uses of the subject property-in particular any past operations that may have involved the generation, storage, or disposal of hazardous materials. In support of this effort, RERC Environmental relied on information supplied by the sources listed below. Based on the scope of work, no Chain-of-Title was reviewed as part of the prior use history review.

1. Local Officials: Representatives of the local zoning department, building department, historical society, and/or other local groups were contacted as needed.
2. Site Representatives: Mr. Knight, who was familiar with past operations, was interviewed.
3. Aerial Photographs: Aerial photographs of the subject property for the years 1956, 1964, 1968, 1972, 1978 and 1981 were provided by the DuPage County Clerk's Office. A 1990 aerial photograph of the subject property was provided by the DuPage County Building and Zoning Department.

### **2.2 OBSERVATIONS**

Mr. Knight stated that the subject property facility was constructed in 1987. Mr. Frank Pantaleo, Chief Deputy Assessor for Lisle Township Assessor's Office, confirmed the date of the facility construction.

The 1956, 1964, 1968 and 1972 aerial photographs depict the subject property as vacant farmland. The 1978 and 1981 aerial photographs indicate that the subject property was no longer under cultivation but remained undeveloped. The current building was present on the 1990 aerial photograph.

### **2.3 CONCLUSIONS AND RECOMMENDATIONS**

None of the information gathered by RERC Environmental in its prior-use history review would indicate a potential for presence of hazardous-material contamination on the subject property.

### **3.0 ENVIRONMENTAL DATABASE REVIEW**

#### **3.1 SCOPE**

A review of applicable and accessible federal, state, and local databases was made in an attempt to ascertain whether the subject property or any neighboring properties were suspected of having environmental problems that could have an impact on the subject property. Specific records and minimum search distance for these environmental databases are discussed below and are consistent with the recommendations presented in the American Society for Testing and Materials (ASTM) "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," 1993.

1. CERCLIS - August 1993: The CERCLIS database is the USEPA's comprehensive database and management system that inventories and tracks releases addressed or needing to be addressed by the Superfund Program. The database includes "inactive releases" (those where a determination has been made, based on available information, that no further action is needed) and "active releases" (those that have not been looked at yet or where it has been determined that further action is necessary). Study radius: 1/2-mile.
2. ERNS LIST - August 1993: EPA's emergency response notification system list of reported CERCLA hazardous substance releases or spills in quantities greater than the reportable quantity, as maintained at the National Response Center. Study radius: The subject property only.
3. National Priorities List (NPL) - August 1993: The NPL is the USEPA's list of uncontrolled hazardous substance facilities that need to be addressed under the Superfund program. A subset of the CERCLIS database, the NPL includes the sites determined most likely to pose a problem. Study radius: 1-mile.
4. Illinois State Remedial Action Priorities List (SRAPL) - August 1993: The SRAPL is the State of Illinois' list of priority sites. It includes sites that were considered by the State to pose an environmental concern but did not score high enough to make the federal government's NPL. Study radius: 1-mile.
5. Hazardous Waste Research Information Center (HWRIC) Inventory of Solid Waste Disposal (SWD) Sites - June 1990: The SWD sites inventory is a listing of all known solid waste disposal sites located in northeastern Illinois. The list was generated from Illinois EPA file, U.S. Geologic Survey files, local records and reports, and aerial photographs. The SWD sites listing is only an inventory and no attempt has been made to evaluate or prioritize the sites. Study radius: 1/2-mile.

6. Illinois LUST Incident Report Database - June 1993: This database is a list of reported leaking underground storage tank (LUST) sites. Sites have been included on this list based on reports received by the Illinois EPA. The Illinois EPA is in the process of confirming the type and size of release, if any; the property owner or operator; and the location of each site. Study radius: 1/2-mile.
7. Resource Conservation and Recovery Act (RCRA) Notifiers - August 1993: This database is the USEPA's comprehensive listing of facilities that have notified the USEPA that they are hazardous waste handlers. The data include generators and transporters of hazardous waste material, as well as treatment/storage/disposal facilities. Study radius: 1-mile.
8. Hazardous Waste Data Management System (HWDMS) - February 1993: The HWDMS system tracks RCRA facilities for which significant violations of applicable RCRA regulations have been reported to the USEPA. Study radius: 1-mile.

### 3.2 OBSERVATIONS

The subject property was not identified on any of the environmental databases reviewed. RERC Environmental did not identify any CERCLIS, ERNS, NPL, RCRA TSD, SRAPL or SWD sites within the study radius of the subject property. However, RERC Environmental identified one LUST site which is located within the 1/2-mile study radius. The LUST site is identified as Arrow Gear, Inc. which is located 1/2-mile southeast of the subject property at 2301 Curtiss Street. The map located in Appendix 4 shows the location of the LUST site relative to the subject property.

### 3.3 CONCLUSIONS AND RECOMMENDATIONS

Based on the records reviewed, no activity on properties within the study radius are likely to have led to contamination of the subject property. RERC Environmental does not believe the LUST site described above is likely to impact the subject property. Local topography and development would inhibit migration of any contamination from reaching the subject property. Moreover, in the event that the LUST site is or was a source of groundwater contamination, regional groundwater would be expected to flow west from Arrow Gear, Inc. towards the DuPage River and not towards the subject property. As a precautionary measure, any interested parties may wish to contact the Illinois EPA and, pursuant to the Freedom of Information Act (FOIA), request file documents regarding the incident status of the LUST site. IEPA's written response may take up to two months for receipt of the file documents, but will provide information regarding the integrity of the remedial cleanup actions performed at the site, the extent of contamination, and whether any outstanding issues remain at the site.

## **4.0 VISUAL INSPECTION**

### **4.1 SCOPE**

A visual inspection of the subject property was performed to identify evidence of hazardous-material contamination. The building was inspected for stained floors or drains, indications of improper or imprudent storage of hazardous materials, and other signs that might pose a potential for concern. The surrounding grounds were inspected for stained or disturbed soil, empty containers that might have contained or stored hazardous materials, and signs of illegal or unauthorized dumping.

As part of its visual inspection, RERC Environmental interviewed individuals familiar with operations at the subject property to determine what feedstocks or other material, which might be considered "hazardous material" were used at the site. Efforts were also made to determine what waste streams were generated on-site and how such waste was disposed of.

Because the facility is currently in operation, it is important to note this inspection is intended solely as an environmental assessment of the property and not a regulatory compliance audit of the existing operation.

### **4.2 OBSERVATIONS**

The basic construction of the subject building is a self supporting steel frame on a poured concrete foundation. The building frame supports a flat roof system. The exterior is composed of masonry walls with solar reflective glass windows within anodized aluminum frame. Typical office interior finishes include a suspended ceiling system with lay-in ceiling panels, painted drywall or prefabricated wall partitions, and carpet, vinyl or ceramic tile covered floors. The facility office is heated and air conditioned by gas-fired roof top heating, ventilation and air conditioning units. The warehouse and manufacturing areas are not air conditioned, but are heated by gas forced-air ceiling units.

The office portion of the structure is located on the east side of the building. The warehouse area is located in the center of the facility building and is used for storing finished products. The product packaging operation is located on the southeast side of warehouse area. The Dynagear manufacturing area is located on the west side of the warehouse and contains a quality control office, a cooling water tank, miscellaneous offices, an employee break room, training/conference rooms, a janitorial supply room, a rust preventor process area, a bulk oil storage area, an air compressor room, a gear shaver area, timing and chain gear production areas, a waste oil and coolant drums storage cage, a scrap material cage, an oil drum cage, a maintenance tool cage and two tool and maintenance cribs. Heat treatment and punch press rooms are located on the north side of the Dynagear facility. The chain assembly room is

located on the south side of the facility. The Global Gear manufacturing area is located east of the warehouse and contains a men's and women's locker rooms, a grinding room, a tool crib, a scrap material cage, a maintenance supply cage, five offices, a training room, a lunch room, and a fire sprinkler room. The truck dock is located on the northeast corner of the building.

General house keeping supplies such as all purpose cleaner, floor wax, glass cleaner and soap solutions are kept in the janitorial supply room. Lube oil is stored in drums and above ground storage tanks in the bulk oil storage room or the oil drum cage. Observations made regarding the above ground storage tanks are discussed in detail in section 6.2 of this report. General maintenance supplies are stored in the tool and maintenance storage rooms. A list of general maintenance supplies, representative Material Safety Data sheets and Waste Manifest Sheets are included in Appendix 5. Decommissioned equipment and scrap machine parts are stored in the scrap material cage. The facility management maintains the subject building and an independent contractor is retained for landscaping and snow removal.

The RERC Environmental inspector observed minor oil spillage or leakage on the floor of the bulk drum and tank storage rooms, the gear shaver area, the fiber gear area and a few other areas around machinery in both manufacturing areas. The spills or leaks are cleaned up by oil dry and were observed to be limited in extent. The oil saturated sorbent is disposed of in the garbage compactor located in the loading dock area. No floor drains were observed in the manufacturing and warehouse areas where excess lubricants could leave the site. The inspector also observed spent lead-acid batteries staged in the tool maintenance crib. These spent batteries are collected by Material Handling Services of Carol Stream, Illinois or Delta Equipment Company of Bensenville, Illinois for recycling.

A catch basin was observed in the truck dock. Stormwater that is collected in the 300-gallon capacity catch basin is pumped out and disposed of off-site by Beaver Oil Company, Inc. of Hodgkins, Illinois. The inspector observed a 500-gallon anhydrous ammonia tank located on the north side of the building that was enclosed by a secured chain link fence. The anhydrous ammonia is utilized in the heat treatment process. The tank and associated piping appeared to be in good condition.

Metal fines and scrap from the grinding or honning operation are collected into a dumpster located at the loading dock area. The Metal Scrap is recycled by Cozzi Scrap Iron of Blue Island, Illinois. The rinse water from the hobbing operation and rust inhibitor application, and the hydraulic/lube and cutting oil waste impurities, are stored in 55-gallon drums. These wastes are picked-up by Beaver Oil Company, Inc. and disposed of as non-hazardous liquid oil and water as described in the waste manifests that are prepared by Beaver Oil.

#### **4.3 CONCLUSIONS AND RECOMMENDATIONS**

Visual observations by RERC Environmental disclosed no conditions that would appear to indicate the need for additional environmental study of the subject property. Management should

continue to regularly monitor proper spill control methods and storage procedures for all chemicals and materials used or generated on the property. The practice of recycling spent batteries and metal scrap should be continued. Waste manifests for recycled materials and liquid wastes should be maintained on-site for proper documentation. The Material Safety Data sheets for hazardous materials and chemicals should be maintained on-site and be readily available to employees or regulatory agency representatives.



## **5.0 PRELIMINARY ASBESTOS SCREENING**

### **5.1 SCOPE**

RERC Environmental looked for the presence of asbestos-containing materials (ACM) within the subject building. In accordance with the Guidance for Controlling Asbestos-Containing Materials in Buildings issued by the U.S. Environmental Protection Agency (USEPA) in 1985, RERC Environmental concentrated on identifying materials sprayed or troweled on ceilings and walls, insulation on pipes, boilers, and other mechanical equipment, and miscellaneous materials such as ceiling and floor tiles.

Materials containing asbestos have been used extensively in the construction of buildings. A material is considered to be ACM if it contains greater than 1% asbestos by weight. When referring to asbestos, friable means the material, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. Friable ACM is more likely than non-friable ACM to release fibers when disturbed or damaged. For example, non-friable ACM in floor tile will usually release fibers when it is cut, drilled, sanded, or broken during repairs or renovation, but when undisturbed or undamaged, fibers are not generally released.

An inaccessible area is any area where inspection access is not permitted or requires a considerable amount of mechanical or structural disassembly. Normally, inaccessible areas are only investigated before major building renovation or demolition work. Inaccessible areas include, but are not limited to, pipe chases behind solid walls and ceilings, the interiors of machinery and equipment, and the interior of the building's water sewer system, which may contain transite piping. The level of the limited examination performed was designed to identify the presence of the most obvious and common ACM, not to generate an asbestos removal or management plan, or to enable detailed cost estimates for implementing such a plan. Therefore, inaccessible areas were not included as part of the limited examination. In addition, to avoid causing leaks or voiding the warranty of the existing roof, roofing materials were not sampled.

### **5.2 OBSERVATIONS**

The RERC Environmental inspector did not observed any materials suspected of containing asbestos during the walk-through of the building. No thermal systems insulation or troweled or sprayed-on materials were observed during the limited building examination.

### **5.3 CONCLUSIONS & RECOMMENDATIONS**

The construction materials for the building are not suspected of containing asbestos due to their date of manufacturing (ca. 1987). Building materials composition can be obtained from the manufacturer's specification, if desired.

## **6.0 STORAGE TANK SEARCH**

### **6.1 SCOPE**

Several million underground storage tank (UST) systems exist in the United States that contain petroleum or hazardous chemicals. Some studies have estimated that a quarter of the country's USTs are leaking. While most leaks are small and don't present major environmental threats, larger leaks that result in groundwater contamination can require significant cleanup actions.

Efforts were made to determine the presence of USTs at the property. Visual observations at the subject property were supported by checking state and local resources for information regarding the presence of any USTs on the property. Efforts were also made to determine the presence of any above ground storage tanks (ASTs) used to store regulated substances.

### **6.2 OBSERVATIONS**

The RERC Environmental inspector observed 12 ASTs on the subject property. These tanks include two 500-gallon (hydraulic/lube waste oil) stationary tanks located on the northwest section of the facility building, one 330-gallon and one 500-gallon (cutting oil) stationary bulk tank located in the bulk oil storage area, one 335-gallon (rust preventive solution) stationary tank located in the southwest corner of the facility building, one 500-gallon (used hydraulic oil) and one 500-gallon (reclaimed hydraulic oil) portable tank located in the northwest corner of the facility of building, two 300-gallon (quench) tanks located in the heat treatment room, two 330-gallon (reclaimed cutting oil) tanks located in the northeast corner of the facility building and one 500-gallon (anhydrous ammonia) tank located on the north side of the facility.

According to Mr. Knight, the hydraulic/lube and cutting waste oils are reclaimed at the facility and the waste impurities are stored in 55-gallon drums until transported off-site for disposal by Beaver Oil Company. A permit was obtained from the Village of Downers Grove to install the anhydrous ammonia tank; the other ASTs do not require operating permits according to Mr. Knight.

The RERC Environmental inspector found no visual evidence of any USTs on the subject property. In addition to the visual inspection, RERC Environmental contacted local agencies likely to have information regarding the presence of USTs at the subject property and reviewed the state database of facilities at which there are USTs registered on the property. According to the Village of Downers Grove Fire Department and the Illinois State Fire Marshal's UST log dated June 1993, there are no records of any USTs registered to the subject property.

### 6.3 CONCLUSIONS AND RECOMMENDATIONS

RERC Environmental found no visual evidence, records, or historical information that would give reason to suspect any USTs exist on the subject property. RERC Environmental did identify of 12 ASTs on the subject property. It is RERC Environmental's opinion that the most appropriate action concerning the ASTs include the installation of a concrete or metal containment around the tanks. This type of containment is a protective measure in the event of an accidental release of lubricants or waste oils. In addition, an emergency response plan should be developed and copies provided to the local fire department and the local emergency planning committee.

## **7.0 PCB ELECTRICAL EQUIPMENT IDENTIFICATION**

### **7.1 SCOPE**

Polychlorinated Biphenyl (PCB) is the common name for a class of chemicals called chlorinated hydrocarbons. PCB electrical transformers were manufactured between 1929 and 1977. In 1986, the USEPA estimated that approximately 77,000 PCB transformers were still in use. Of these, about 18,000 were owned by utility companies, with the majority of the transformers belonging to building owners. PCBs were also used in electrical capacitors and fluorescent light ballasts.

An attempt was made to identify the presence of any PCB-containing electrical equipment on the subject property. The inspector attempted to locate and identify all transformers or capacitors and, if present, to determine the owner of this equipment.

### **7.2 OBSERVATIONS**

The property appeared to be serviced by two pad-mounted transformers located on the southwest corner of the subject property and at the northwest corner of the building. The inspector did not observe evidence of release of dielectric fluid from the transformers. No piece of electrical equipment observed appeared to have a yellow-and-black PCB warning sticker affixed to it. Such a sticker is required by federal regulation for PCB equipment containing 500 ppm of PCBs or greater. According to Mr. Don Mohn, Senior Account Executive for Commonwealth Edison, these transformers are owned by the local utility.

The inspector also noted that fluorescent lighting was used in some areas of the building. Fluorescent light ballast manufactured before 1977 may contain PCBs. Based on the age of the building, it is unlikely that PCB light ballasts were used.

### **7.3 CONCLUSIONS AND RECOMMENDATIONS**

The transformers identified on the subject property were found to be owned by the local utility. Commonwealth Edison, as owner of the electrical equipment, is responsible for maintaining the equipment in compliance with all federal, state, and local regulations and would be responsible for clean up of any contaminants released from the equipment. For this reason, and because none of the transformers have leaked, RERC Environmental is of the opinion no further action is required at this time.

**APPENDIX 1**  
**SITE QUESTIONNAIRE**

## PROPERTY/FACILITY QUESTIONNAIRE

This questionnaire should be completed in its entirety. Do not leave any blanks. Answer "none", "not applicable" or "unknown" if suitable. Attach additional sheets or drawings as necessary to fully answer each question.

### 1) PROPERTY/FACILITY IDENTIFICATION

Facility Name: DYNAGAR INC  
Address: 2500 CURTISS ST  
City/State/Zip: DOWNERS GROVE IL 60515  
Contact: \_\_\_\_\_ Telephone: 708-969-1008

Building Owner: R. L. GREEN  
Address: 2500 CURTISS ST  
City/State/Zip: DOWNERS GROVE IL-60515  
Contact: \_\_\_\_\_ Telephone: 708-969-1008

Land Owner: R. L. GREEN  
Address: 2500 CURTISS ST  
City/State/Zip: DOWNERS GROVE IL-60515  
Contact: \_\_\_\_\_ Telephone: 708-969-1008

Current Operator: DYNAGAR INC  
Address: \_\_\_\_\_  
City/State/Zip: \_\_\_\_\_  
Contact: \_\_\_\_\_ Telephone: 969-1008

Tax ID #: 362844493 SIC Code: 3160

### 2) PROPERTY/FACILITY DESCRIPTION

Property Size:	<u>8 ACRES</u>	Number of Buildings:	<u>1</u>
Building Size:	<u>133,000sq Ft.</u>	Building Age:	<u>7 YRS OLD</u>
Building Size:	<u>N/A</u>	Building Age:	<u>N/A</u>
Building Size:	<u>N/A</u>	Building Age:	<u>N/A</u>

Identify the company that provides each of the following services

Electric: COMMON WEALTH Edison  
Gas: NORTHWEST ILLINOIS GAS CO.  
Water: VILLAGE OF DOWNERS GROVE  
Sanitary Services: DOWNERS GROVE SANITARY  
Solid Waste Disposal: ROT'S DISPOSAL SERVICE, INC DIV OF BROWNS RE-

### 3) SITE HISTORY

Describe the present uses of the property/facility including all current operations and services performed on-site. Include copies of tenant listings if available:

AFTER MARKET AND ORIGINAL MANUFACTURING EQUIP  
GEAR - TIMING CHAIN MANUFACTURE

Describe the past uses of the property/facility including all operations and services which were performed on-site. Include the years of operation and the company performing the operation or service:

SAME AS ABOVE

Describe any current operations on the property which currently involve the generation, manufacture, processing, transportation, treatment, storage or handling of hazardous substances. "

NONE



If you answered yes to any of the questions above, please describe (location, size, date, material involved, etc.) Please provide copies of any available reports relating to any of the above issues.

GEAR - SPCKET AREA SOUTH WEST CORNER  
 OF E. H. H. 1000 GAL, 1988, WATER STORAGE  
 TANK FROM COOLING TOWER

# 5) REGULATORY INFORMATION

A. Permits - Have any operations on the property ever required any of the following:

	Yes	No
1. Permits for discharges to waters of the State.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Permits for emissions to the air.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Permits for any waste storage, treatment or disposal operation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Permits to discharge to publicly owned treatment works (other than sewage)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

If yes, please describe (provide permit numbers if applicable):

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If you answered yes to any of the questions above, please describe (location, size, date, material involved, etc.) Please provide copies of any available reports relating to any of the above issues.

GEAR - SPROCKET AREA SOUTH - WEST CORNER  
 OF BUILDING, 1000 GAL, 1988, WATER STORAGE  
 TANK FROM COOLING TOWER

# 5) REGULATORY INFORMATION

A. Permits - Have any operations on the property ever required any of the following:

	Yes	No
1. Permits for discharges to waters of the State.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Permits for emissions to the air.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Permits for any waste storage, treatment or disposal operation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Permits to discharge to publicly owned treatment works (other than sewage)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

If yes, please describe (provide permit numbers if applicable):

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**B. Reporting Requirements** - Have any operations on the subject property required the following:

	Yes	No
1. Preparation of a Chemical Safety Contingency Plan.	_____	_____✓
2. Filing of an Emergency and Hazardous Chemical Inventory Form pursuant to the Federal Emergency Planning and Community Right-to-Know Act of 1986	_____	_____✓
3. Filing a Toxic Chemical Release form pursuant to the Federal Emergency Planning and Right-to-Know Act of 1986.	_____	_____✓

If yes, please describe:

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**C. Environmental Enforcement** - Has any past or present operation been subject to the following:

	Yes	No
1. Written notification regarding known, suspected, or alleged contamination on or emanating from the property	_____	_____✓
2. Entering into a final order or consent decree by either the Federal or State Environmental agency in an environmental enforcement case.	_____	_____✓

If yes, please describe:

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D. Other Actions - Have any of the following actions occurred on the property:

	Yes	No
1. A situation which resulted in a reportable "release" of any hazardous substance or petroleum as required under State or Federal laws.	_____	_____/_____ ✓
2. Hazardous substances or petroleum come in contact with the ground or surface water at the site.	_____	_____/_____ ✓
3. Soils, groundwater, or surface water required cleanup or treatment.	_____	_____/_____ ✓
4. Soil samples collected from the site and analyzed for chemical constituents.	_____	_____/_____ ✓
5. Groundwater monitoring at or near the site.	_____	_____/_____ ✓
6. Wells abandoned on or near the site because of offensive characteristics of the water.	_____	_____/_____ ✓
7. Problems of fumes from subsurface storm drains, sumps, or inside basements.	_____	_____/_____ ✓
8. Signs of substances leaking out of the ground along the base of slopes or at other low points on or immediately adjacent to the site.	_____	_____/_____ ✓
9. Application of municipal sludge or raw septic wastes on the property.	_____	_____/_____ ✓

If yes, please describe:

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6) CERTIFICATION

Based on my knowledge and discussion, as necessary, with individuals familiar with the property, I certify the information submitted is, to the best of my knowledge and belief, true and accurate.

Balan  
Signature

8/31/93  
Date

BALAN MENON  
Name (print or type)

GEN. MANAGER  
Title

**APPENDIX 2**  
**INSPECTOR QUALIFICATIONS**

**ANTHONY S. CLAVERIA**  
**Assistant Vice President**  
**RERC Environmental, Inc.**

**Academic**

Illinois Institute of Technology, B.S. Chemical Engineering

Asbestos-related courses and seminars attended:

Georgia Institute of Technology

- The Supervision of Asbestos Abatement Contracts
- Building Surveys/Hazard Assessment
- The Uses and Limitations of Air Sampling

NIOSH Course #582 - Sampling and Evaluating Airborne Asbestos Dust

McCrone Research Institute - The Microscopical Identification of Asbestos

**Experience**

Mr. Claveria has specialized in asbestos abatement programs for government agencies as well as commercial and industrial clients for over six years. These programs have involved all aspects of asbestos hazard abatement including asbestos detection, bulk and air sampling and analysis, risk assessments, development and implementation of special operations and maintenance (O&M) programs, engineering and technical specifications preparation for corrective actions, bidders list development and procurement assistance, and the necessary on-site monitoring and analyses associated with asbestos abatement projects. A representative sampling of the larger projects in which Mr. Claveria has participated is as follows:

- Inspection of several GSA owned or leased facilities in five U.S. Cities as part of the study requested by the U.S. Congress under AHERA.
- Inspection of several facilities located throughout the Midwest for a national insurance company as part of a cost recovery suit.
- Development and implementation of an asbestos hazard abatement program for a major foodstuff manufacturer in Illinois.
- Served as Project Manager on asbestos detection inspections at numerous

commercial and industrial properties including shopping malls, office complexes, high rise buildings, warehouses and manufacturing facilities.

- Provided Industrial Hygiene monitoring and oversight services to commercial and institutional clients including the necessary on-site air monitoring and analysis, surveillance of contractor abatement activities, comprehensive visual inspections and final clearance air sampling.

Mr. Claveria served as Project Manager for the Midwest Regional Office of Versar Inc. and Asbestos Program Manager for the Midwest Branch of McCrone Environmental Services, Inc. prior to joining RERC Environmental, Inc. He was responsible for planning, developing, and organizing the regional asbestos abatement program for both MES and Versar Inc.



## **RANDOLPH W. LIVINGSTON**

**Project Scientist  
RERC Environmental, Inc.**

### **EDUCATION**

The University of Illinois at Chicago, School of Public Health, Midwest Asbestos Information Center, Contractor/Supervisor Asbestos Abatement and Building Inspection Certificates, 1989.

The Environmental Resources Training Center of Southern University at Edwardsville, Operation of Waste Water Treatment Plant, Certificate, 1983.

Northern Illinois University, the Emergence of Modern Land Date Systems in the Southern Lake Michigan Region, Certificate, 1982.

Chicago State University, B.A. Geography (Earth Science), 1976.

Malcolm X College, A.A. Associate in Liberal Arts, 1973.

### **CERTIFICATION**

EPA AHERA, Asbestos Contractor/Supervisor, No. A4789

EPA AHERA, Asbestos Building Inspection, No. A5643

State of Illinois Department of Public Health, Professional License, Asbestos Supervisor and Inspector, ID# 100-1934

### **REPRESENTATIVE EXPERIENCE**

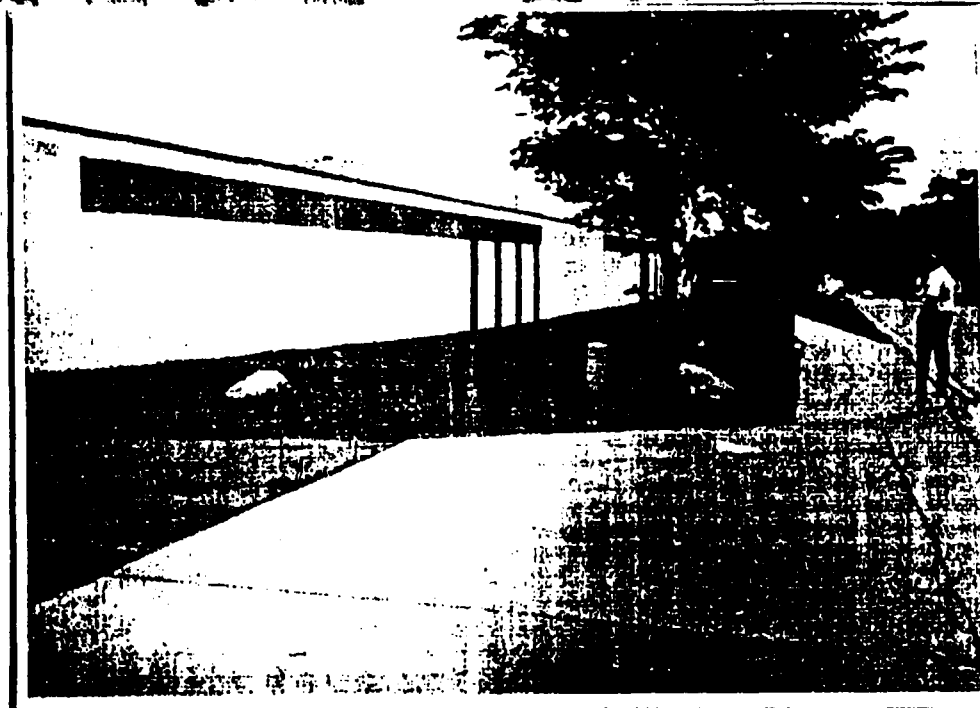
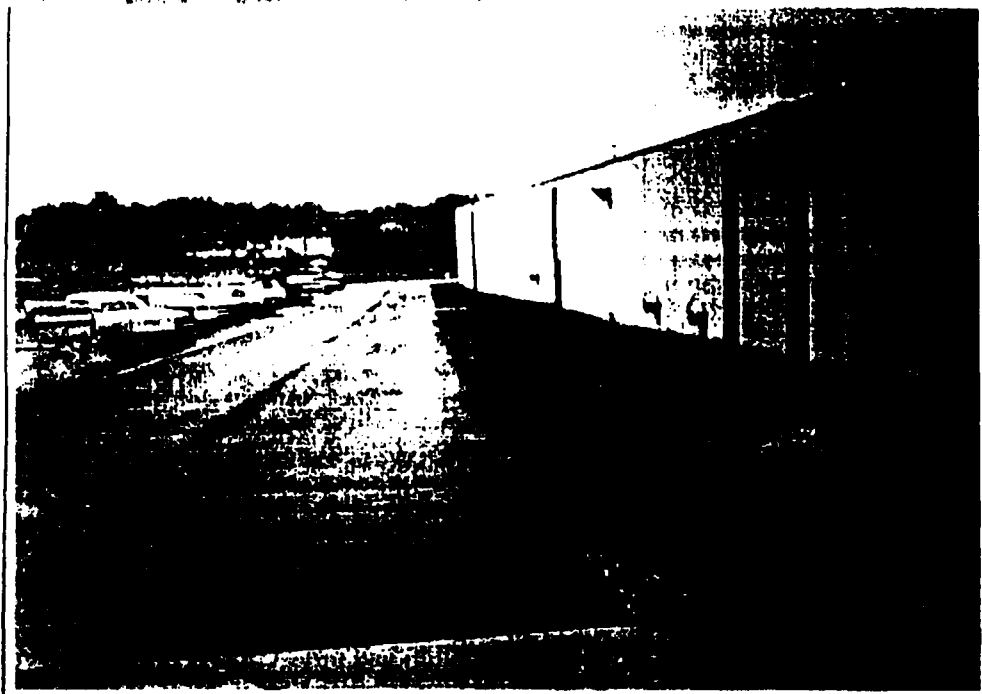
Mr. Livingston has extensive experience conducting site inspections and investigations for potential and uncontrolled hazardous waste sites under the U.S. EPA's Field Investigation Team (FIT), Superfund Program. Since joining RERC Environmental, Inc., he has utilized his previous experience to conduct Phase I and II environmental audits and assessments and compliance audits for clients involved in real estate transactions, assets acquisitions and, refinancing loans throughout the United States. These environmental audits included paint manufacturers, railroad and warehouse properties and multi-family unit buildings.

Mr. Livingston's experience in the U.S. EPA Superfund Program includes site inspections and investigations at open dumps, landfills, dewatering lagoons for plating waste sludge, aeration lagoons and settling ponds at paper mills, paint recycling companies, a plastic company, and drum recycling companies. He has been involved in hundreds of site inspections. He has been responsible for employing on-site safety procedure and has performed on-site monitoring with site entry equipment. He has trained others in all phases of site inspections and investigations including the calibration and operation of site safety monitoring equipment. His experience also includes the scoring of potential hazardous waste sites for the National Priority List (NPL) under the Superfund Program.

### **AFFILIATIONS**

Association of American Geographers  
Illinois Association of Environmental Professionals

**APPENDIX 3**  
**SITE PHOTOGRAPHS**

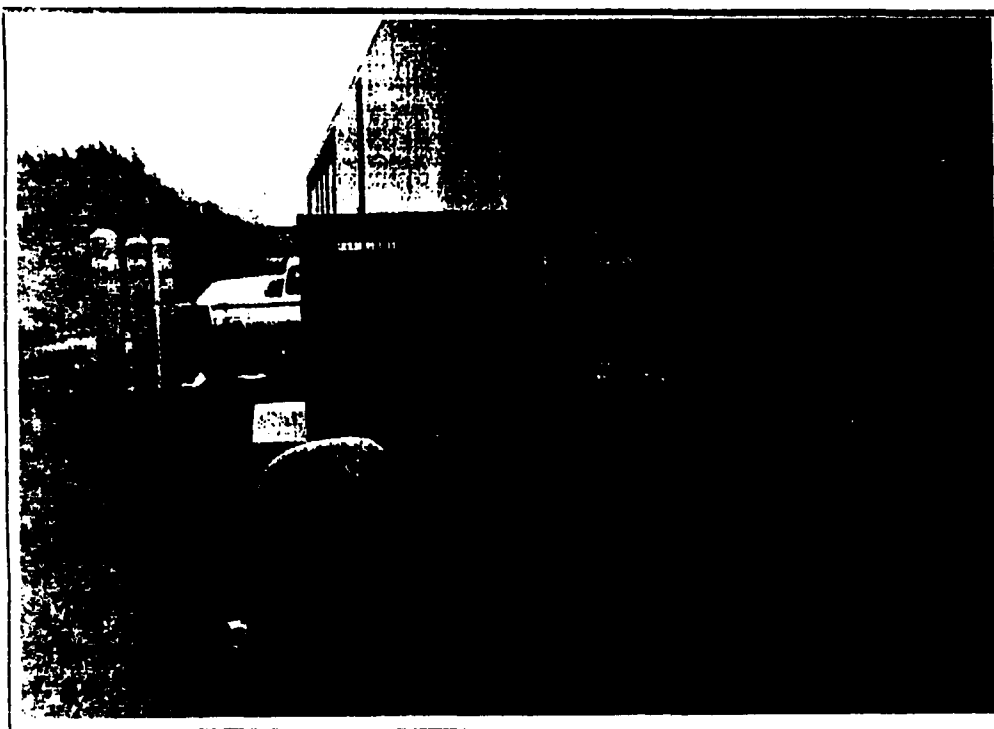
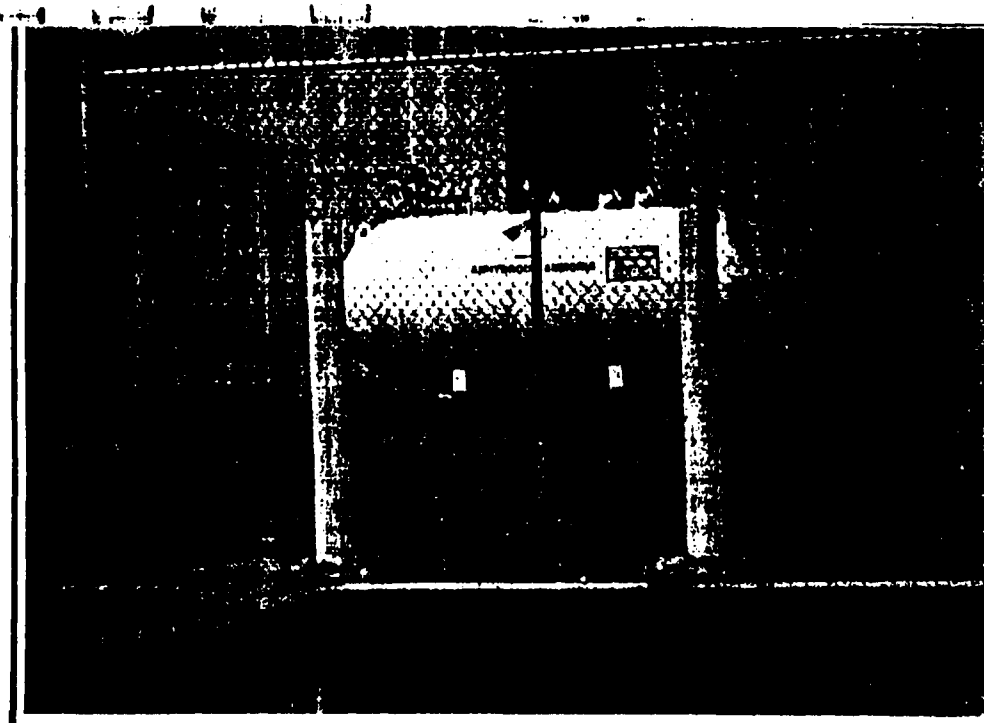


A. West side of subject property.

B. South side of subject property.

C. East side of subject property,  
retention pond, parking lot and  
building.

RERC ENVIRONMENTAL, INC.  
Project #2853  
Phase I Environmental Assessment  
Dynagear, Inc.  
Downers Grove, Illinois



A. Drain and catch basin, loading dock area and garbage compactor.

B. Anhydrous ammonia tank.

C. Pad-mounted transformer located on the northeast corner of the facility building.

RERC ENVIRONMENTAL, INC.  
Project #2853  
Phase I Environmental Assessment  
Dynagear, Inc.  
Downers Grove, Illinois

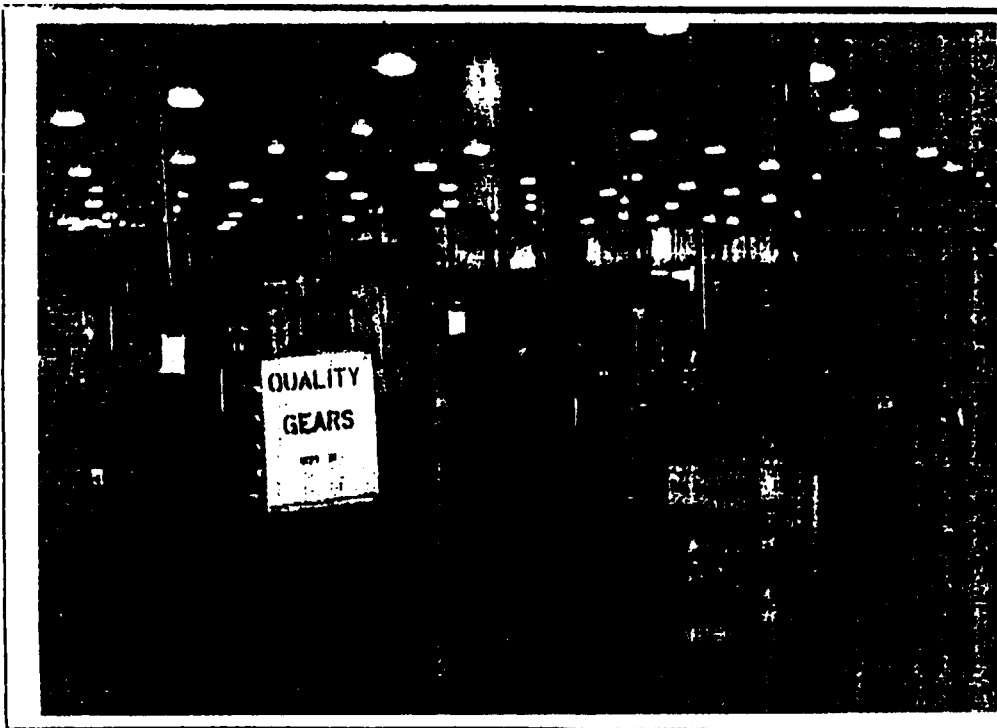
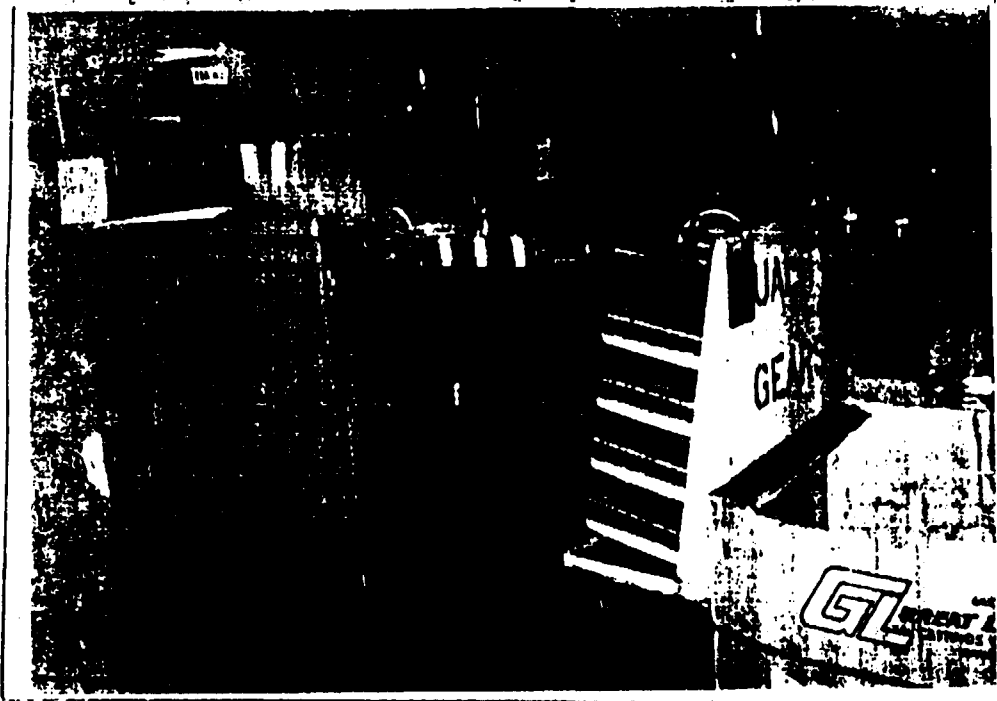


A. Dynagear, Inc. gear manufacturing area and wash tank.

B. Dynagear, Inc. gear manufacturing area and rust preventive storage tank.

C. Dynagear, Inc. gear manufacturing area and bulk tank and drum storage room.

RERC ENVIRONMENTAL, INC.  
Project #2853  
Phase I Environmental Assessment  
Dynagear, Inc.  
Downers Grove, Illinois

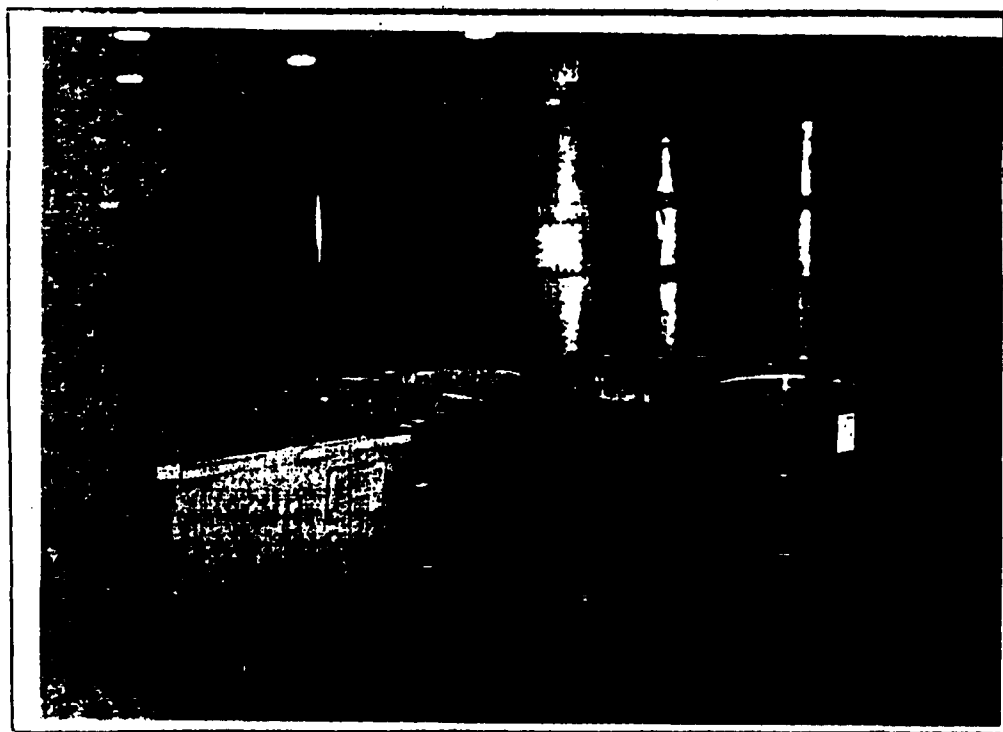
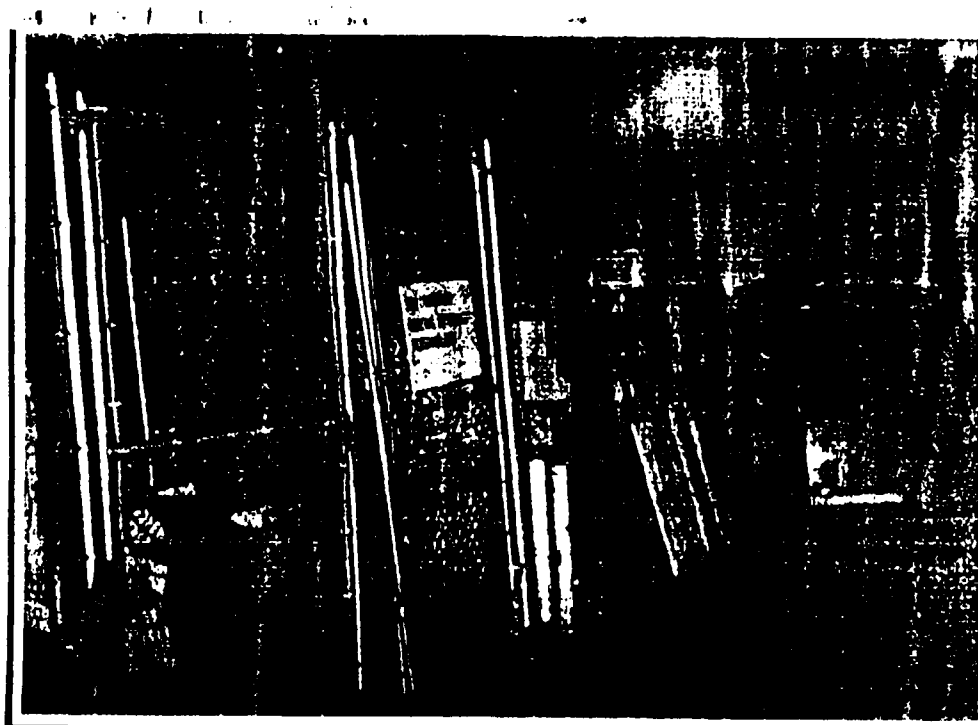
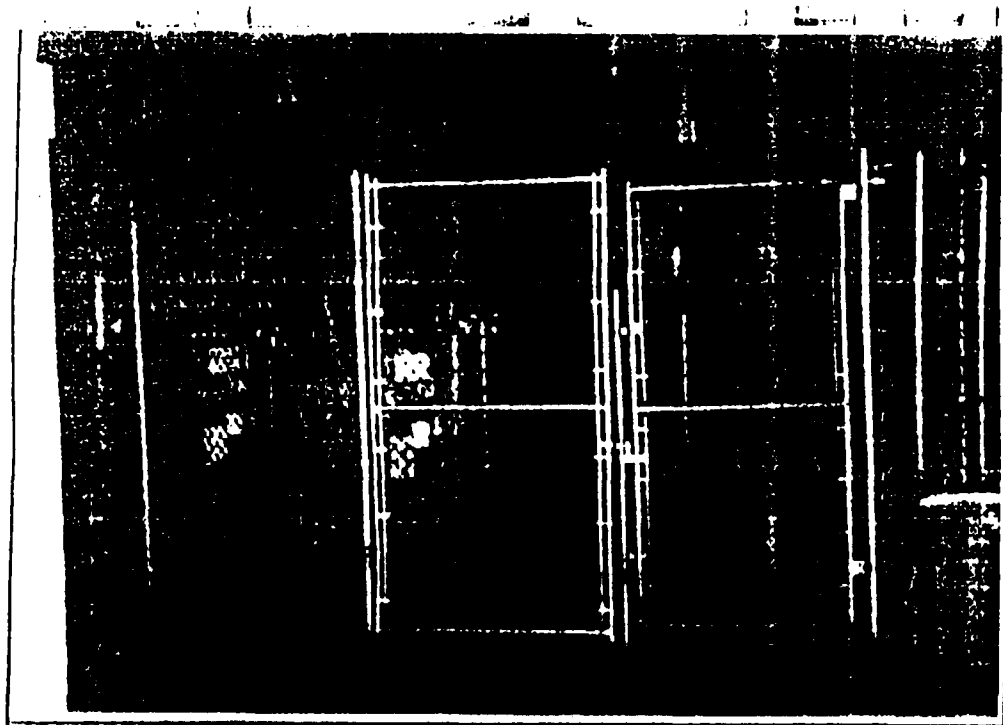


A. Dynagear, Inc. manufacturing area and gear shaver area.

B. Dynagear, Inc. manufacturing area and fiber gear area.

C. Dynagear, Inc. manufacturing area, hobbing and turning areas.

RERC ENVIRONMENTAL, INC.  
Project #2853  
Phase I Environmental Assessment  
Dynagear, Inc.  
Downers Grove, Illinois



A. Air compressor and switch gear.

B. Scrap equipment area.

C. Tanks of reused oil and drums containing metal chips.

RERC ENVIRONMENTAL, INC.  
Project #2853  
Phase I Environmental Assessment  
Dynagear, Inc.  
Downers Grove, Illinois



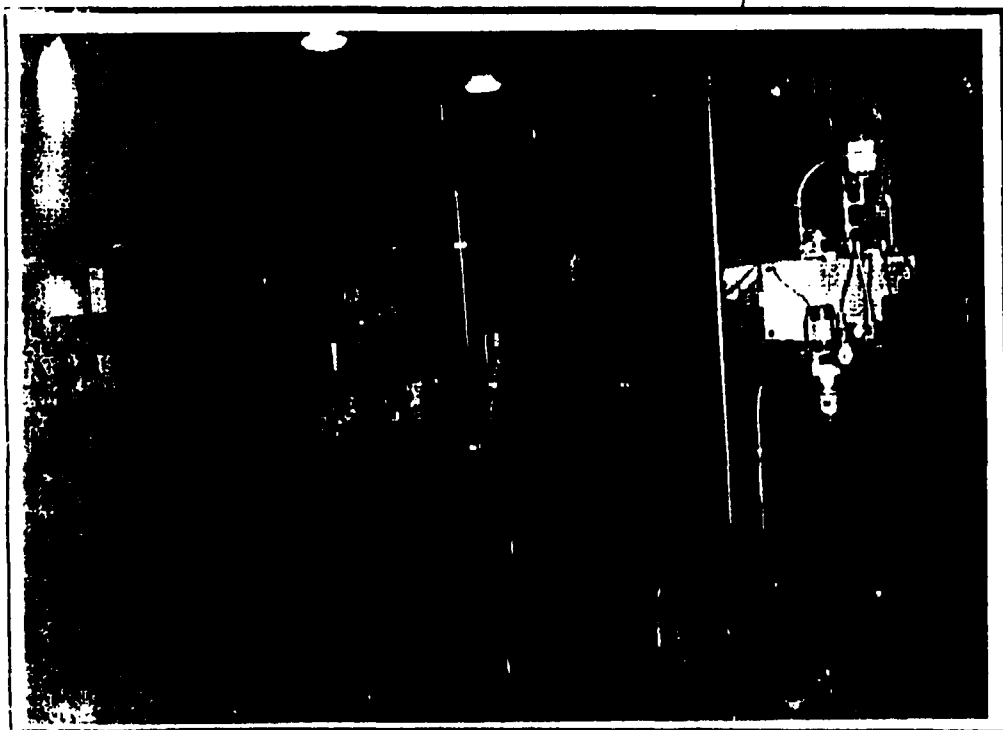
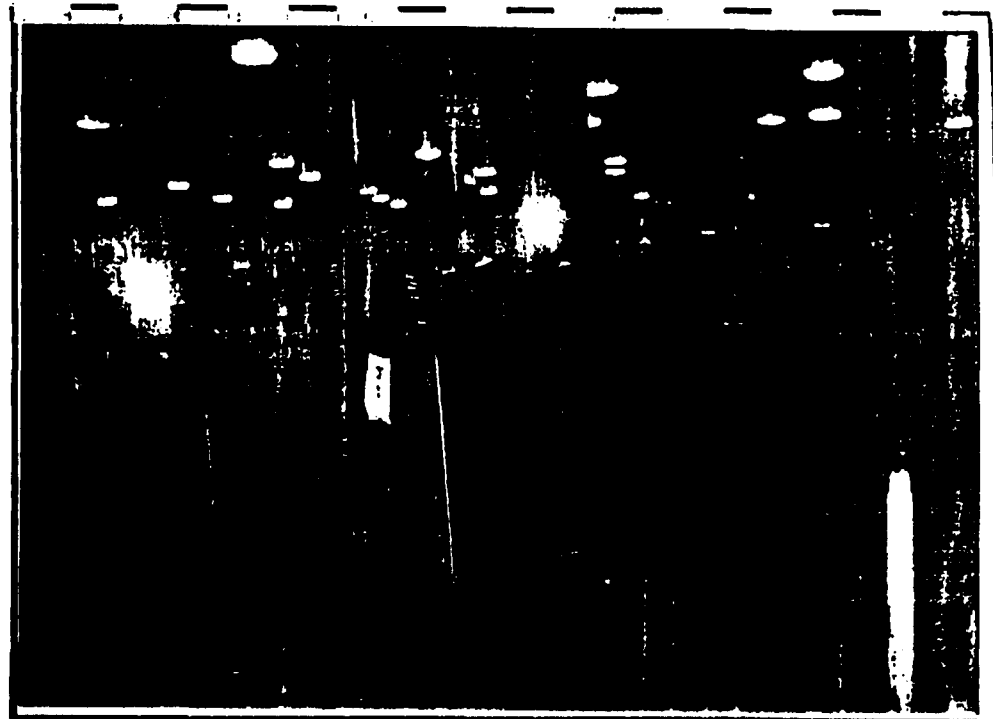


A. The heat treat room.

B. Warehouse and shipping area.

C. Loading dock area.

RERC ENVIRONMENTAL, INC.  
Project #2853  
Phase I Environmental Assessment  
Dynagear, Inc.  
Downers Grove, Illinois

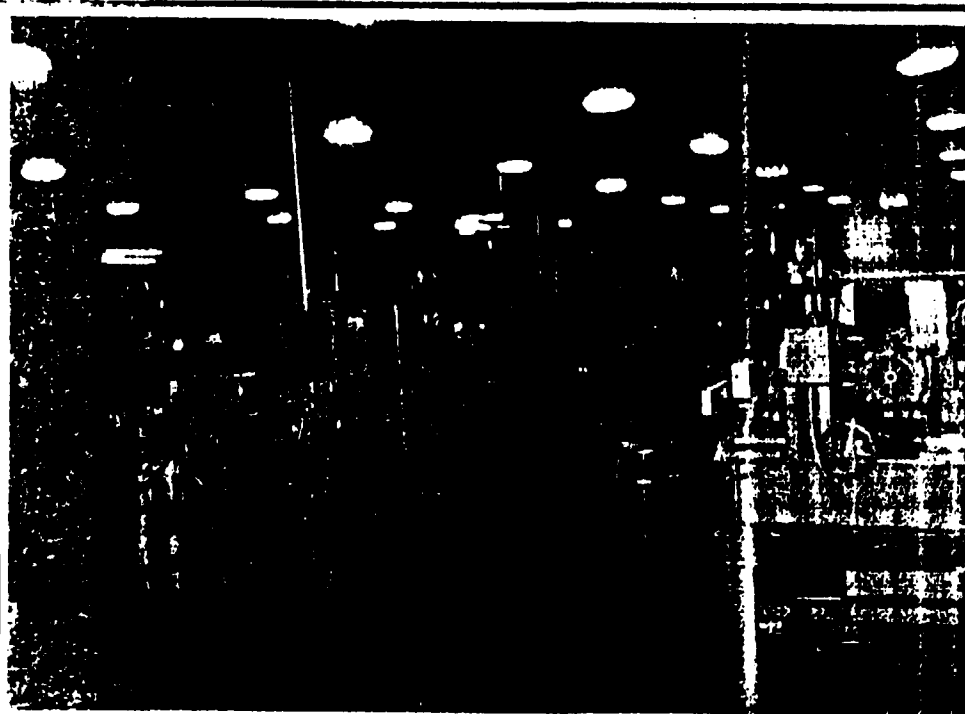
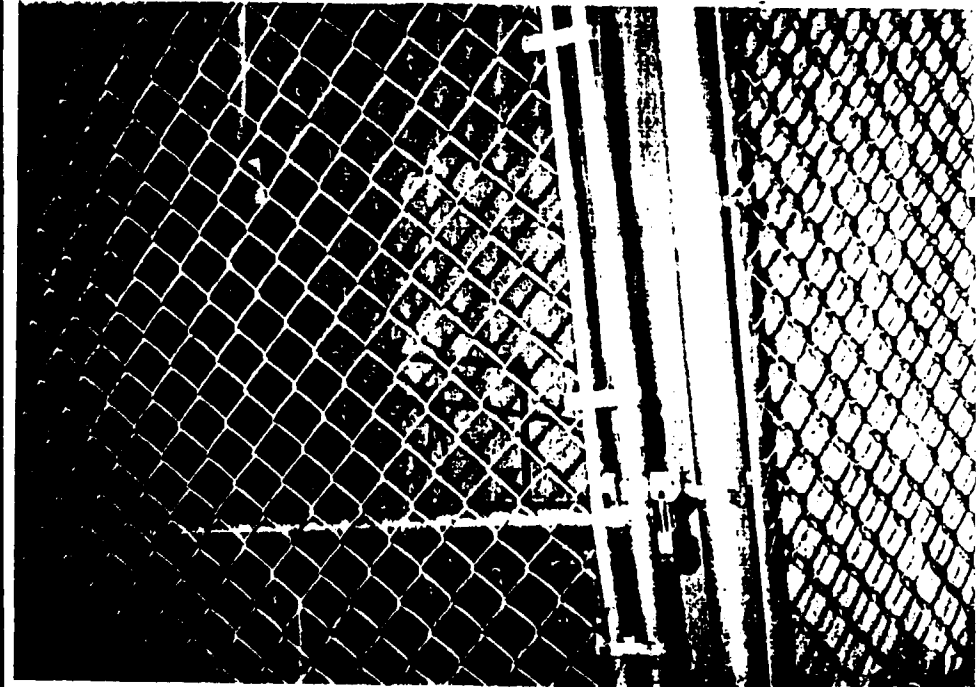
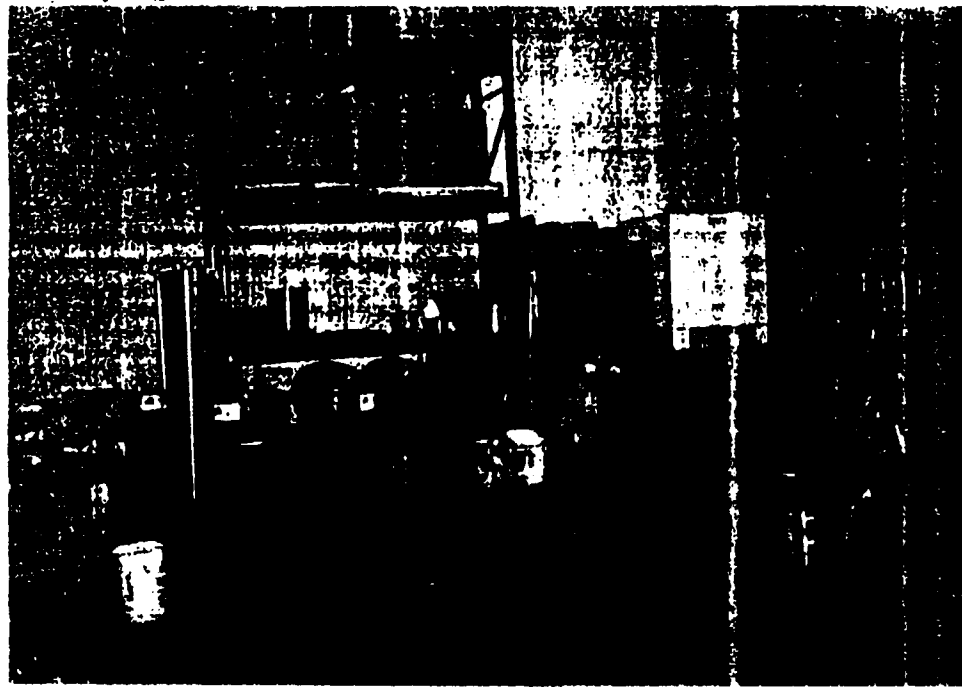


A. Loading dock ramp.

B. Global Gear manufacturing area.

C. Global Gear grinding area.

RERC ENVIRONMENTAL, INC.  
 Project #2853  
 Phase I Environmental Assessment  
 Dynagear, Inc.  
 Downers Grove, Illinois



A. Free product and reclaimed oil tanks.

B. Fire sprinkler room.

C. Timing assembly room.

RERC ENVIRONMENTAL, INC.  
Project #2853  
Phase I Environmental Assessment  
Dynagear, Inc.  
Downers Grove, Illinois



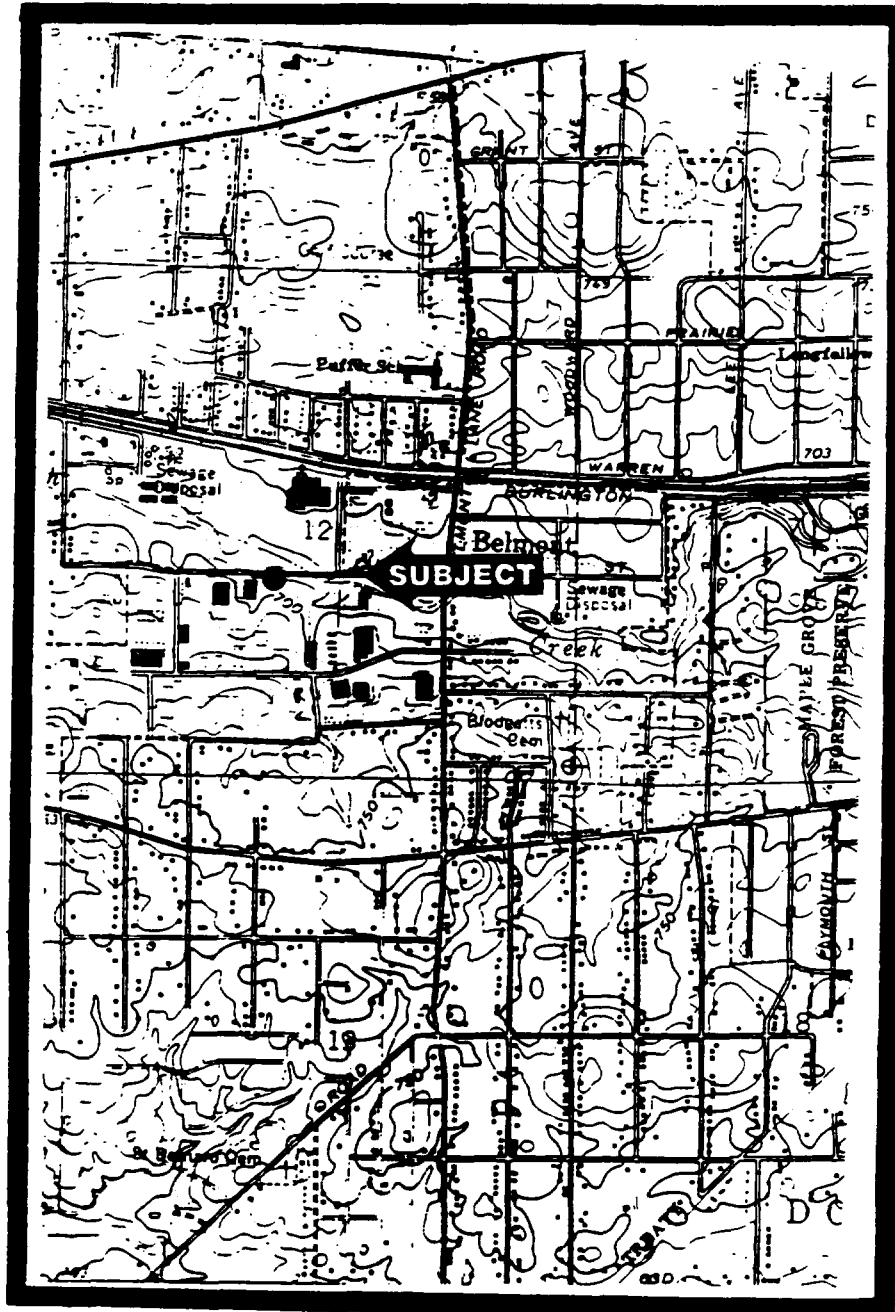
A. Maintenance cage area,  
batteries and lift a loft.

B. Lube oil drums storage.

RERC ENVIRONMENTAL, INC.  
Project #2853  
Phase I Environmental Assessment  
Dynagear, Inc.  
Downers Grove, Illinois

**APPENDIX 4**  
**ENVIRONMENTAL DATABASE LISTING**

TOPOGRAPHICAL MAP OF SITE:



STATE LUST SITE IDENTIFIED WITHIN 1/2-MILE RADIUS OF  
DYNACIAN, INC.  
2500 CURTISS  
DOWNERS GROVE, ILLINOIS

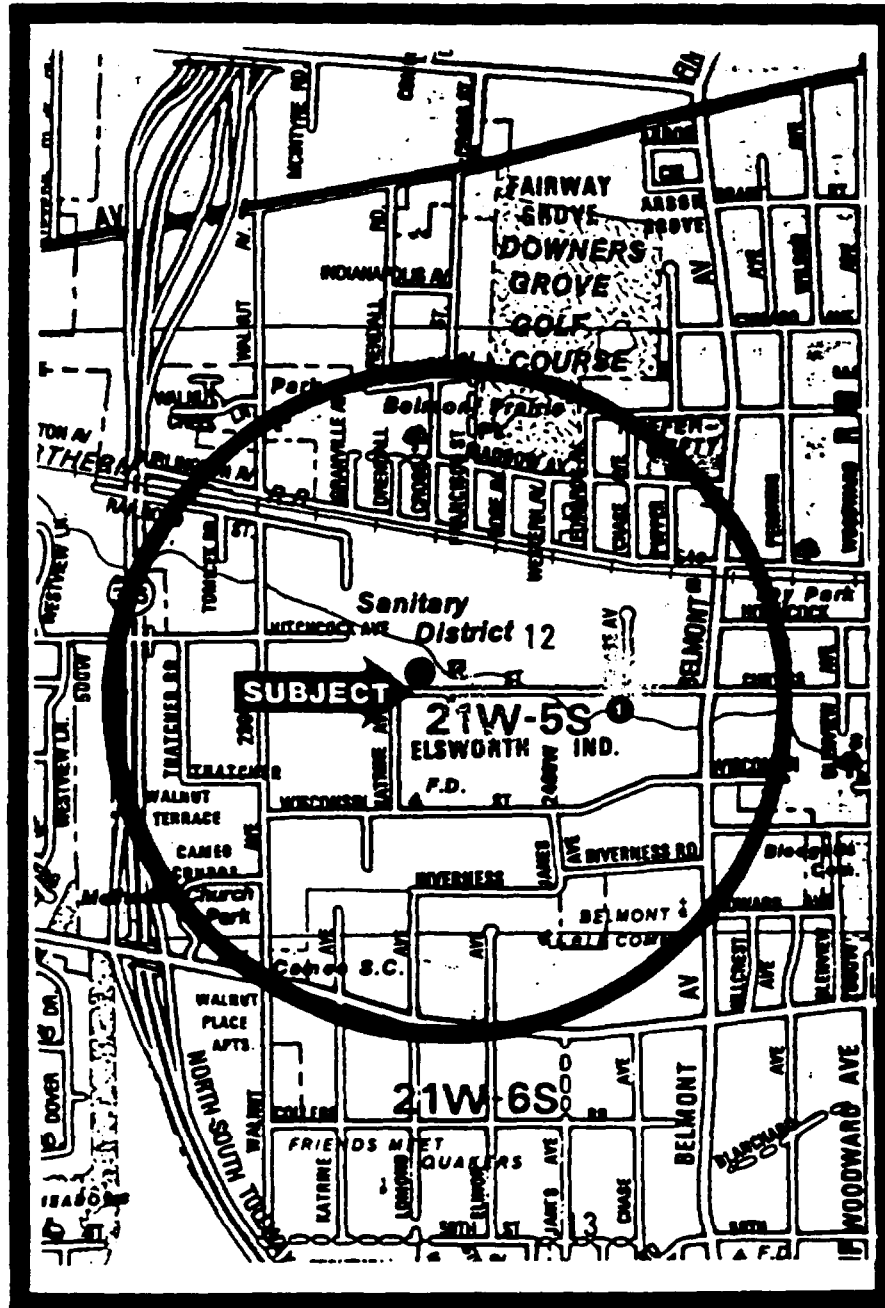
=====

SITE NAME AND ADDRESS

=====

- 1) ARROW GEAR INC.  
2301 CURTISS STREET  
DOWNERS GROVE, IL

LOCATION MAP OF STATE LUST SITE:

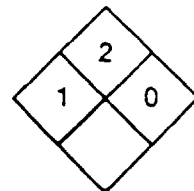




**APPENDIX 5**

**MATERIAL SAFETY DATA SHEETS AND MANIFEST SHEETS**

# MATERIAL HEALTH AND SAFETY BULLETIN



UCD No.: \_\_\_\_\_

Product Code No.: 031387

**MANUFACTURER'S NAME**

CLC Lubricants Company

**STREET ADDRESS**

100 S. Old Kirk Road

**CITY, STATE, AND ZIP CODE**

Geneva, IL 60134

**Business Phone: (312)**

232-7900

**EMERGENCY TELEPHONE NO.**

Health Emergencies Call:

Hours:

**PRODUCT:** CLC Coolant 2240-A

**COMMON NAME:**

**VERIC NAME:**

**CHEMICAL NAME** Mixture

**CHEMICAL FAMILY**

**DOT PROPER SHIPPING NAME:**

SARA Title III - Yes\*

**WARNING STATEMENT:**

Eye and Skin Irritant  
Harmful if Ingested in Large Amounts  
Harmful Vapors Possible

## Section I - INGREDIENTS

	TLV*		TLV*
Rust Inhibitor (amine complex)	3 ppm	(less than 20%)	
Triethanolamine	3 ppm	(less than 25%)	
Amine-containing Alcohol*	None	(less than 1%)	

\*Threshold Limit Value

A. OSHA ☐

B. ACGIH ☐

C. See Section III ☐

D. Other

## Section II -- EMERGENCY AND FIRST AID PROCEDURES

EMERGENCY: Have a physician call

Eye Contact	Flush with water for 15 min. If irritation occurs, consult a physician.
Skin Contact	Wash with soap and water.
Inhalation	Remove to fresh air. If breathing difficulties arise, consult a physician.
Ingestion	DO NOT induce vomiting. Consult a physician.

## Section III -- PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

Eye Effects	This product may be an eye irritant.  May cause eye irritation.
Skin Effects	Prolonged or repeated skin contact can cause irritation.
Systemic Effects	<p>Various studies have shown a possible association with exposure to this product and the following:</p> <p>INGESTION: May result in gastrointestinal irritation including nausea, vomiting, diarrhea.</p> <p>INHALATION: Inhalation of high concentration of vapor or mist may cause respiratory irritation.</p>

## Section IV -- SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify e)	Normally not needed at ambient temperatures.		
Ventilation	Adequate mechanical ventilation is normally sufficient.		
Protective Gloves	Chemical resistant to avoid skin irritation recommended.	Eye Protection	Safety glasses always recommended.
Other Protective Equipment	None special		

## Section V -- REACTIVITY DATA

Stability	Unstable		<b>Conditions to Avoid:</b>  Do not mix with nitrites or other nitrosating agents as nitrosamines may be formed. Nitrosamines may cause cancer.
	Stable	XX	
Incompatibility (Materials to Avoid)	Strong mineral acids, oxidizing agents		
Hazardous Decomposition Products	Oxides of carbon and nitrogen		
Hazardous Polymerization	May Occur		<b>Conditions to Avoid:</b>  None
	Will Not Occur	XX	

## Section VI -- SPILL OR LEAK PROCEDURES

HIGHWAY OR RAILWAY SPILLS - CALL CHEMTREC 1-800-424-9300

Precautions In Case of Release or Spill	Small spills can be flushed with large quantities of water. Large spills should be collected for disposal.
Reportable Quantity	
Site Disposal Method	Assure compliance with applicable federal, state and local regulations.

## Section VII -- STORAGE AND SPECIAL PRECAUTIONS

Handling and Storing Precautions	Keep containers closed when not in use. Store away from heat, sparks, flame and strong oxidants. Avoid eye and skin contact. Avoid breathing vapor or mist.
Other Precautions	Use with adequate ventilation.

## Section VIII -- FIRE AND EXPLOSION HAZARD DATA

DOT Flammability Classification	Flash Point Range: <input type="checkbox"/> Below 20° F. <input type="checkbox"/> 20° F - 100° F <input type="checkbox"/> 100° F - 200° F <input type="checkbox"/> Over 200° F <input checked="" type="checkbox"/> None to boiling
Extinguishing Media	Foam, dry chemical, CO <sub>2</sub>
Unusual Fire and Explosion Hazards	Avoid contact with strong oxidants
Fire Fighting Procedures	Use supplied-air respirator for confined areas.

## Section IX -- PHYSICAL DATA

Approximate Boiling Range, °F	Above 200	Vapor Density: <input checked="" type="checkbox"/> Heavier Than Air <input type="checkbox"/> Lighter
Evaporation Rate: <input type="checkbox"/> Faster Than Ether <input checked="" type="checkbox"/> Slower	Percent Volatile: Negligible	Solubility in Water: Complete
Specific Gravity: <input type="checkbox"/> Lighter Than Water <input checked="" type="checkbox"/> Heavier	Weight per Gallon:	
Appearance and Odor: Blue liquid with mild odor.		

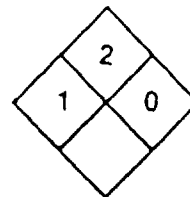
## Section X -- DOCUMENTARY INFORMATION

Product Code No. 031387	Issue Date March 13, 1987	Prepared By K. Przybyla
Replaces: UCD No.	Product Code No.	Issued
Reviewed By Revised: 03-10-88	Manager, Loss Prevention	
Reviewed By:	Director of Occupational Health & Toxicology	
Reviewed By:	Science and Technology Division	

The above information is believed to be correct as of the date hereof. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or is to be implied regarding the accuracy of these data, the results to be obtained from the use of the material, or the hazards connected with such use. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume responsibility for the results of its use. This information is furnished on the condition that the person receiving it shall make his own determination as to the suitability of the material for his particular purpose and on the condition that he assume the risk of his use thereof.

#13

# MATERIAL HEALTH AND SAFETY BULLETIN



UCD No.: \_\_\_\_\_

Product Code No.: 041086

MANUFACTURER'S NAME

CLC Lubricants Company

STREET ADDRESS

100 S. Old Kirk Road

CITY, STATE, AND ZIP CODE

Geneva, IL 60134

Business Phone: (312)

232-7900

EMERGENCY TELEPHONE NO.

Health Emergencies Call:

Hours:

PRODUCT: CLC Lube Airline 170 SAE 10

COMMON NAME:

ERIC NAME:

CHEMICAL NAME

CHEMICAL FAMILY Petroleum Hydrocarbon

DOT PROPER SHIPPING NAME:

WARNING STATEMENT:

Eye and Skin Irritant  
Harmful If Ingested In Large Amounts

## Section I -- INGREDIENTS

TLV\*

TLV\*

Petroleum Hydrocarbon Blend

5 mg/m<sup>3</sup> for oil mist in air.  
CAS # 64742-54-7

(100%)

(OSHA Regulation 29 CFR 1910.1000)

\*Threshold Limit Value

A. OSHA ☒B. ACGIH ☐C. See Section III ☐

D. Other

## Section II - EMERGENCY AND FIRST AID PRECAUTIONS

AGENCY: Have a physician call

Flush with water for 15 min.  
If irritation occurs, consult a physician.

Wash with soap and water.

Remove to fresh air.  
If breathing difficulties arise, consult a physician.

DO NOT induce vomiting.  
Consult a physician.

## Section III - PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

This product may be an eye irritant.

Can cause eye irritation.

Prolonged or repeated skin contact can cause irritation.

Various studies have shown a possible association with exposure to this product and the following:

**INHALATION:** May result in headache, nasal and respiratory irritation, nausea, drowsiness, fatigue, peumonitis, pulmonary edema and central nervous system depression.

**INGESTION:** May result in headache, drowsiness, nausea, fatigue, peumonitis, pulmonary edema and central nervous system depression. Aspiration hazard.

### Section IV -- SPECIAL PROTECTION INFORMATION

Respiratory Protection	Up to 25 mg/m <sup>3</sup> , half-mask organic vapor respirator. Up to 50 mg/m <sup>3</sup> , full-face organic vapor respirator. Greater than 50 mg/m <sup>3</sup> , self-contained breathing apparatus with		
Ventilation	positive pressure.  Maintain local or dilution ventilation to keep air concentration below 5 mg/m <sup>3</sup> .		
Protective Gloves	Nitrile, neoprene or other material resistant to petroleum distillate.	Eye Protection	Safety goggles always recommended.
Other Protective Equipment	None special.		

### Section V -- REACTIVITY DATA

Stability	Unstable		Conditions to Avoid:  None
	Stable	XX	
Incompatibility (Materials to Avoid)	Strong oxidants		
Hazardous Decomposition Products	Oxides of carbon		
Hazardous Polymerization	May Occur		Conditions to Avoid:  None
	Will Not Occur	XX	

### Section VI -- SPILL OR LEAK PROCEDURES

HIGHWAY OR RAILWAY SPILLS - CALL CHEMTREC 1-800-424-9300

Precautions In Case of Release or Spill	Prevent entry into sewers or waterways by diking. Remove ignition sources. Absorb small amounts using inert material.
Reactivity	
Waste Disposal Method	Assure compliance with applicable federal, state and local regulations.



## Section VII -- STORAGE AND SPECIAL PRECAUTIONS

g and autions	Keep containers closed when not in use. Store away from heat, sparks, flame and strong oxidants. Avoid eye and skin contact. Avoid breathing vapor or mist.
Other Precautions	Use with adequate ventilation.

## Section VIII -- FIRE AND EXPLOSION HAZARD DATA

DOT Flammability Classification	Flash Point Range: <input type="checkbox"/> Below 20° F. <input type="checkbox"/> 20° F. - 100° F. <input type="checkbox"/> 100° F. - 200° F. <input checked="" type="checkbox"/> Over 200° F. <input type="checkbox"/> None to boiling
Extinguishing Media	225 Min. Foam, dry chemical, CO <sub>2</sub>
Unusual Fire and Explosion Hazards	Can form combustible mixtures with air when heated to approximately 225°F. Will not flash spontaneously.
Fire Fighting Procedures	Use self-contained breathing apparatus with positive pressure.

## Section IX -- PHYSICAL DATA

Approximate Boiling Range, °F	475 - 610	Vapor Density: <input checked="" type="checkbox"/> Heavier <input type="checkbox"/> Lighter Than Air
Evaporation Rate: <input type="checkbox"/> Faster <input checked="" type="checkbox"/> Slower Than Ether	Percent Volatile: 100%	Solubility in Water: Negligible
Specific Gravity: <input checked="" type="checkbox"/> Lighter <input type="checkbox"/> Heavier Than Water	0.81	Weight per Gallon:
Appearance and Odor: Clear liquid with petroleum hydrocarbon distillate odor.		

## Section X -- DOCUMENTARY INFORMATION

Product Code No.	Issue Date	Prepared By
Replaces: UCD No.	Product Code No.	Issued
Reviewed By:	Manager, Loss Prevention	
Reviewed By:	Director of Occupational Health & Toxicology	
Reviewed By:	Science and Technology Division	

The above information is believed to be correct as of the date hereof. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or is to be implied regarding the accuracy of these data, the results to be obtained from the use of the material, or the hazards connected with such use. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume responsibility for the results of its use. This information is furnished on the condition that the person receiving it shall make his own determination as to the suitability of the material for his particular purpose, and on the condition that he assume the risk of his use thereof.

**DYNAGEAR INC.  
2500 CURTISS STREET  
DOWNERS GROVE, ILLINOIS 60515**

**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
FOR  
THE EVALUATION OF POTENTIALLY HAZARDOUS MATERIAL**

**RERC PROJECT NUMBER: 4512**

**PREPARED FOR:**

**MR. MICHAEL POE  
MID-NORTH FINANCIAL  
205 W. WACKER DRIVE  
SUITE 202  
CHICAGO, ILLINOIS 60606**

**RE FILED**

**NOV 13 2001**

**PREPARED BY:**

**IEP-30**

**MARTIN P. HANSON  
RERC ENVIRONMENTAL, INC.  
SUITE 730  
2 NORTH LASALLE STREET  
CHICAGO, ILLINOIS 60602  
(312) 364-9522 / FAX (312) 346-1352  
(800) 909-7372  
[www.rercenvironmental.com](http://www.rercenvironmental.com)**

**JULY 7, 1998**

**DYNAGEAR, INC.**  
**2500 CURTISS STREET**  
**DOWNERS GROVE, ILLINOIS 60515**

Assessment Component	Acceptable	Acceptable Requires O & M	Fail	Fail Possible Remedy	Phase II	Page
Site Background & Operating History	Yes					6
Topography and Geology	Yes					10
On-site Observations	Yes					11
USTs and ASTs	Yes					15
Hazardous Materials	Yes					11
PCB Electrical Equipment	Yes					15
Asbestos Survey	Yes					12
Radon Survey	Yes					13
Lead in Drinking Water	Yes					14
Lead Based Paint	Yes					13
Area Reconnaissance	Yes					11
Government Database Review	Yes					18-23
Local Regulatory Agencies	Yes					23

**CERTIFICATION**

- All work described in this report complies with the ASTM Designation E 1527-97, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, and the Mid-North Financial, Inc. Scope of Work.
- The reported observations and conclusions are limited only by the reported assumptions and limiting conditions and represent our unbiased and professional analysis, opinions, and conclusions.
- RERC Environmental, Inc., its officers, and its employees have no present or contemplated interest in the subject property. Our employment and compensation for preparing this report are not contingent upon our observations or conclusions.
- The Dynagear, Inc. facility located at 2500 Curtiss Street, in the Village of Downers Grove, DuPage County, Illinois, was visited by Martin P. Hanson of RERC Environmental, Inc. on June 23, 1998.
- To the best of our knowledge, the statements of fact contained herein, on which we based our observations, opinions and conclusions, are true and correct.
- All information, obtained from third parties, in this report was obtained from sources deemed to be reliable; however, RERC Environmental, Inc. does not represent or warrant the accuracy of this information.
- (i) The Report may be relied upon by Mid-North Financial in determining whether to make a loan evidenced by a note (the "Property Note") secured by the Property, (ii) the Report may be relied upon by any purchaser or assignee of the Property Note in determining to purchase the Property Note from the undersigned and by any rating agency rating securities secured by, or representing an interest in the Property Note, (iii) The Report may be referred to and quoted in and included with materials offering for sale the Property Note or an interest in the Property Note, (iv) the Report may be relied upon by persons who acquire the Property Note or an interest in the Property Note and (v) the Report speaks only as of its date in the absence of a specific written update of the Report signed and delivered by you.

Sincerely,  
**RERC Environmental, Inc.**



Martin P. Hanson  
Vice-President

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## 1.0 EXECUTIVE SUMMARY

### 1.1 Background

On Tuesday, June 23, 1998, Martin P. Hanson an RERC Environmental representative, performed the on-site inspection for a Phase I Environmental Site Assessment of the Dynagear, Inc. facility located at 2500 Curtiss Street in the Village of Downers Grove, DuPage County, Illinois. The RERC Environmental, Inc. representative was accompanied during the inspection by Maintenance Supervisor, Tom Gust.

A visual inspection of all of the manufacturing space, the office, maintenance rooms, employee break room, warehouse space, and all common grounds, was conducted.

The Dynagear, Inc. facility is situated on a triangular-shaped tract of land containing approximately 8 acres. The property is situated approximately 1,000 feet northwest of the intersection of Interstate Highway 355 and Maple Avenue; approximately 2 miles west of the central business district of Downers Grove, Illinois, and approximately 21 miles southwest of the Chicago central business district. The interstate, situated north-south, provides access to Chicago and other major Midwest cities via a network of connecting interstate highways.

The property is bordered by Curtiss Street on the south; across which is located Fusibond Piping Systems, Ames Supply Company and Scot, Inc. To the east, the facility is bordered by St. Joseph Creek and Rexnord, Inc. The Village of Downers Grove Sanitation District property forms the western boundary of the property.

The Dynagear, Inc. facility, constructed in 1987, consists of one, 1-story warehouse and manufacturing building, asphalt driveways and parking, concrete sidewalks, and professionally landscaped grounds.

## **1.2 Items Addressed in Report**

The Phase I Environmental Site Assessment included a review of state and federal environmental databases for information concerning the subject property and neighboring properties, a review of the property's prior-use history, a visual inspection for contamination, a review of asbestos and lead paint potential, a lead in water screening, a radon gas survey, a review of historical aerial photographs, a search for underground and aboveground storage tanks, and a search for PCB-containing electrical equipment.

## **1.3 Conclusions**

Based upon the information gathered during this engagement and within the scope of the Phase I Environmental Site Assessment, RERC Environmental, Inc. recommends no additional investigative work to further define the potential environmental hazard at the Dynagear Inc. facility. The following items and observations were identified during completion of this Environmental Site Assessment:

1. The adjacent properties and properties located within a 1 mile radius of the subject property are considered to have low potentials for environmental hazard to the subject property.
2. No environmental hazards were detected from the review of the aerial photographs.
3. No suspect asbestos-containing building materials were identified on the subject property.
4. The subject property is located in an area where predicted concentrations of radon gas are not expected to be over the EPA's threshold of concern at 4 pCi/l.
5. No lead-based paints were identified on the subject property.
6. The level of lead in the drinking water is less than the 15 ppb EPA action level.
7. The transformers observed on the subject property are in good condition with no indications of leakage.
8. There is no indication of underground or aboveground storage tanks, or hazardous waste generation or storage on the subject property.



9. The subject property was identified as a FINDS facility. The subject property was not identified as a NFRAP, RCRIS-TSD, RCRIS-SG, RCRIS-LG, CERCLIS, NPL, RST, LRST, Superfund, or permitted landfill facility from the on-site inspection, review of the regulatory agency databases, or local government inquiries.

#### **1.4 Recommendations**

RERC Environmental, Inc. recommends no further investigations be conducted on or around the subject property to determine the presence of hazardous substances or petroleum products on the subject property.

## 2.0 OBJECTIVES

The purpose of this Phase I Environmental Site Assessment is to determine the environmental condition of the property and comply with the due diligence property inspection requirements of the Innocent Landowner Defense under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 and subsequent amendments. This report follows the procedures outlined in the ASTM Designation E 1527-97, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

The scope of work for this Phase I Environmental Site Assessment consists of the following:

- Prior-Use History Review
- One Mile Area Reconnaissance
- Visual Inspection
- Review of Asbestos Potential
- Review of Lead Paint Potential
- Review of Lead in Water Potential
- Review of Radon Contamination Potential
- Underground and Aboveground Storage Tank Search
- PCB Electrical Equipment Identification
- Environmental Database Review
- Review of Historical Aerial Photography
- Contact with Regulatory Agencies
- Review of the Local Geology, Soils, and Hydrogeology

It is not the purpose of the Environmental Site Assessment to determine the presence, degree, or extent of contamination, if any, but rather to determine the potential for contamination. Photographs of the subject property and surrounding areas have been taken during the on-site inspection as a means of documenting the findings discussed in this report. Copies of some of these photographs are included in Appendix B.

## 3.0 SITE OVERVIEW

### 3.1 Introduction

On Tuesday, June 23, 1998 an RERC Environmental, Inc. representative, performed the on-site inspection for a Phase I Environmental Site Assessment of the Dynagear, Inc. facility located at 2500 Curtiss Street in the Village of Downers Grove, DuPage County, Illinois. The RERC Environmental, Inc. representative was accompanied during the inspection by Maintenance Supervisor, Tom Gust.

### 3.2 Site Description

The Dynagear, Inc. facility is situated on a triangular-shaped tract of land containing approximately 8 acres. The property is situated approximately 1000 feet northwest of the intersection of Interstate Highway 355 and Maple Avenue; approximately 2 miles west of the central business district of Downers Grove, Illinois, and approximately 21 miles southwest of the Chicago central business district. The interstate highway, situated north-south, provides access to Chicago and other major Midwest cities via a network of connecting interstate highways.

The property is bordered by Curtiss Street on the south; across which is located Fusibond Piping Systems, Ames Supply Company and Scot, Inc. To the east, the facility is bordered by St. Joseph Creek and Rexnord, Inc. The Village of Downers Grove Sanitation District property forms the western boundary of the property.

The Dynagear, Inc. facility, constructed in 1987, consists of one, 1-story warehouse and manufacturing building, asphalt driveways and parking, concrete sidewalks, and professionally landscaped grounds. The 1-story warehouse and manufacturing building contains an office wing with entrance lobby. It also contains locker rooms, maintenance rooms, a quality control office, warehouse area, heat treatment facilities, punch presses, maintenance tool crib, a packaging and shipping mezzanine oil drum storage, used & reclaimed cutting and hydraulic oil storage areas, and an air compressor area. Improvements throughout the common grounds consist of concrete sidewalks, asphalt driveways and parking areas, a storm drainage retention pond and landscaped common grounds.

## 4.0 SITE BACKGROUND/OPERATING HISTORY

The following sources were used in an attempt to trace the past land use history of the subject property.

### 4.1 Current Ownership

Based on the recorded chain of ownership, the subject property is currently owned by NBD Trust Company.

### 4.2 Prior Ownership

The ownership summary for the subject property, extending back to 1920 was reviewed for information of past ownership's which may have participated in the generation, treatment, storage, or disposal of hazardous materials. The chain of ownership search was completed by JNA Services, Inc. and is presented in Appendix C. The ownership summary contains 2 deeds exchanging ownership between an individual and a bank. It also contains two mortgages.

Based on these inquiries, there is no indication that a former or present use of the subject property consisted of storage or disposal of hazardous materials.

### 4.3 Review of Aerial Photographs

Aerial photographs for the years 1952, 1962, 1971 and 1993 were reviewed to identify potential environmental concerns on or near the subject property. The aerial photographs, presented in Appendix D, were provided by EDR Sanborn, Inc.

**The 1952 aerial photograph was reviewed and the following observations were made.**

The subject property appears to be occupied by a farmhouse and outbuildings. The St. Joseph Creek is shown with a different route through the subject property, it loops to the south to run next to the farmhouse. The surrounding land appears to be farmland. The Burlington-Northern rail route through Downers Grove is visible along with the parallel

Burlington Avenue. The only two north-south roads visible are Belmont Road to the east and Katrine Avenue to the west. The land to the northeast currently occupied by Rexnord is occupied by several houses with large yards.

**The 1962 aerial photograph was reviewed and the following observations were made.**

The subject property is now bordered by the new Curtiss Street. The farmhouse and outbuildings are gone, but the subject property is still vacant and St. Joseph Creek follows the same route as before. The Rexnord facility to the northeast has been added. A new street, Chase Street has been developed to access the Rexnord facility. Construction has started on the Village of Downers Grove Sanitation District sewage treatment plant to the north of St. Joseph Creek. Two industrial facilities south of Curtiss Street appear. Wisconsin Avenue, another east-west street just south of Curtiss Street, is under development along with several industrial facilities on both sides of it.

**The 1971 aerial photograph was reviewed and the following observations were made.**

The subject property is still vacant and St. Joseph Creek follows the same route as before which is a loop across subject property. All of the surrounding properties are shown with the development of small industrial facilities, especially south of Curtiss Street. The Village of Downers Grove Sanitation District sewage treatment plant is extensively developed in this photograph. The subject property is either in grass or is still being cultivated as farmland. There is a definite tree line along St. Joseph Creek. The apartments at the northeast corner of Lomond Avenue and Maple Avenue first appear in this photograph.

**The 1993 aerial photograph was reviewed and the following observations were made.**

The subject property now shows the Dynagear, Inc. facility. St. Joseph Creek has been rerouted to be a straight line along the northern boundary of the Dynagear property. Many additional small industrial facilities have been built to fill in the vacant lots in the area. The Village of Downers Grove Sanitation District sewage treatment plant has been expanded again. The land between the Rexnord facility and the sewage treatment plant north of St. Joseph Creek and Dynagear is still vacant. Interstate 355 first appears in this photograph.

Based upon the review of the aerial photographs, there does not appear to be any readily observable form of activity which occurred on or adjacent to the subject property that would suggest that the subject property has been environmentally contaminated.

#### 4.4 Historic Maps

RERC Environmental, Inc. attempted to obtain copies of Historic Maps for the subject property. The historic map review consisted of the following: Sanborn Fire Insurance Maps; A full search of the historic maps was conducted. No historic maps have been prepared for the subject property. In most instances, the lack of map preparation indicates the subject property was not incorporated into a city, or was in an area for which maps were never prepared, or was undeveloped land prior to development of the current improvements.

## **5.0 LOCAL TOPOGRAPHY AND GEOLOGY**

### **5.1 Local Topography**

Review of the 1993 Wheaton, Illinois 7.5 minute topographic quadrangle map indicates that the elevation of the subject property is approximately +700 feet above mean sea level (based on the National Geodetic Vertical Datum).

Generally, surface water runoff from the property and adjacent properties appears to flow north toward St. Joseph Creek, adjacent the north and east boundaries of the subject property.

### **5.2 Soil and Subsurface Geological Characteristics**

The soil on the property is classified as Urban Land-Orthents complex, clayey by the United States Department of Agriculture, Soil Conservation Service. Generally, this unit is 75 percent Urban Land and the rest is Orthents, clayey. At the subject property, the native soil belonged to the Orthents complex, clayey. In the Orthents part the soils have been mixed. The soils formerly had a surface layer of silt loam, silty clay loam, or silty clay and a subsoil of silty clay or clay. The underlying material was calcareous silty clay loam or silty clay. Slopes are generally 1 to 7 percent, but some cutbanks are nearly vertical. Permeability is variable because the soil material is altered and has been compacted by construction equipment. Available water capacity is variable but generally low to moderate. Organic matter content and plant nutrients are low on new exposures, but developed areas are usually topdressed where lawns and shrubs have been established. Reaction is medium acid to moderately alkaline. Runoff is medium to very rapid, depending on slope and plant cover.



## 6.0 RESULTS OF THE ON-SITE INSPECTION

The purpose of the on-site inspection is to identify potential environmental concerns by visual observation of the subject property and surrounding area.

### 6.1 Observations

This is a complete manufacturing facility with many complex metal fabricating and heat treating operations for the manufacture of internal combustion engine parts. The timing gear manufacturing process includes lathturning, honing or grinding and hobbing castings. The hobbing operation includes cutting teeth into a gear, washing and ringing the gear with warm water and applying a rust inhibitor. The timing chain manufacturing process include punch pressing steel coils to make plates, and the plates are then heat treated, washed and rinsed with water. The plates are passed through a corn cob drying process before being assembled into a chain. The fiber timing gear manufacturing process is a similar process to the production of timing chains. The finished products are packaged and shipped for distribution to automotive manufacturers.

The RERC Environmental, Inc. inspector did not find visual signs or physical evidence (i.e., buried or exposed empty containers or stressed/stained vegetation) of hazardous material contamination during the on-site inspection of the subject property. There were no monitoring wells or on-site treatment facilities which handle waste waters, solid wastes, or hazardous materials on the property. There were some small examples of trash strewn about along the edges of the parking lot and St. Joseph Creek. This trash was well within the capability of the landscaping crew to correct in one of their periodic cleanups. The property was in good condition and well maintained.

### 6.2 Hazardous Substances Identification

Solid waste generated at Dynagear, Inc. is metal cuttings, metal parts, and cellulose/paper refuse which is placed in disposal containers located along the east edge of the manufacturing building. The containers are periodically emptied by Illinois Recycling Service for the paper waste, Cozzi for the metal cuttings, and Fitzpatrick Smelter for the metal parts. Liquid waste is stored in tanks inside the building. Those tanks are emptied by Beaver Oil for disposal.

An extensive number of hazardous materials and petroleum products are in use at Dynagear, Inc. and at the Global Gear subsidiary in the same building. Dynagear and Global Gear provided copies of all applicable material safety data sheets (MSDS). RERC Environmental, Inc. has reviewed the MSDS and retains them in our file for future reference. A list of the products in use including their trade name, hazardous chemical constituents and a summary of the hazard involved has been attached in Appendix F.

There was no build-up of trash observed around container and no large quantities of cleaning supplies, chemicals, pesticides, fuels, or other hazardous or waste materials were observed on the subject property.

The building has no floor drains. The floor was bare or painted concrete in the factory area. The floor was clean. All fluids in use are handled in tanks, piping systems, and equipment. There was no spillage noted during the inspection. Whenever spills occur they are cleaned up immediately according to the precautions on the MSDS. The air in the factory was clean. There were no permitted discharges to the air at the site. The only observed air discharges were factory ventilation air and natural gas combustion fumes from natural gas furnaces and open flames.

### 6.3 Preliminary Asbestos Survey

#### 6.3.1 Guidelines

Asbestos is an incombustible, chemical-resistant, fibrous mineral. Asbestos-containing materials (ACMs) have been used extensively in fireproofing, electrical insulation, building materials, brake linings, and chemical filters.

The United States Environmental Protection Agency (U.S. EPA) first classified asbestos as a hazardous air pollutant in 1971 under the National Emission Standards for Hazardous Air Pollutants (NESHAPS). The U.S. EPA/NESHAPS first regulated asbestos usage in 1973 when the spray-on application of most friable ACM was prohibited. In 1977, the Consumer Product Safety Commission banned the use of asbestos in consumer patching compounds, and further regulation in 1978 extended the U.S. EPA/NESHAPS prohibition of ACM to cover all uses of friable spray-on material. The Asbestos Hazard Emergency Response Act (AHERA) became effective in 1987, which required identification and release control measures for ACM in schools.

The preliminary asbestos screening performed on the subject property was designed solely to identify the presence of the most obvious and common ACMs. The determination of the exact quantities and locations of all ACMs was beyond the scope of this survey. Materials

identified were readily accessible for sampling. Inaccessible areas are not included in the survey as they are normally investigated only prior to major building renovation or demolition work. Inaccessible areas include, but are not limited to, roofs, pipe chases behind solid walls and ceilings, concealed floor coverings, the interiors of machinery and equipment, and the building's water and sewer system.

A material is considered to be asbestos-containing, if it contains greater than one percent asbestos as analyzed by polarized light microscopy (PLM) coupled with dispersion staining techniques. Friable ACM, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. Non-friable ACM can be crumbled, pulverized, or reduced to powder during machining, cutting, drilling, or other abrasive procedures. Friable ACM is more likely to release fibers when disturbed or damaged, than non-friable ACM.

No suspect ACM was observed. Since the building was built in 1987 the same year when asbestos was no longer used in building materials it is very unlikely that there is any ACM in the building.

#### **6.4 Preliminary Radon Sampling**

Radon is a colorless, odorless, naturally occurring, radioactive gas originating from the breakdown of uranium in the subsurface. Radon is a known carcinogen implicated in causing lung cancer.

The U.S. EPA has published a Map of Radon Zones in the United States which indicates Cook and DuPage Counties, Illinois, are in a Zone 2 potential for radon gas. Zone 2 is defined as areas that have a predicted average indoor radon screening level of equal to or more than 2.0 pCi/L and less than or equal to 4.0 pCi/L U.S. EPA Action Level.

Based on the fact that this is not residential property and the U.S. EPA study, there is low potential environmental risk for contamination of the subject property by radon gas.

#### **6.5 Lead in Paint**

Paints manufactured before 1960 were heavily leaded, with a tapering off of lead content until 1978, when lead was banned from household paint. Lead is toxic to humans, but especially children because of their size and weight. Lead paint in good condition is not usually a problem except in places where painted surfaces rub against each other and create dust, such as opening a painted window.

The Lead-Based Paint Poisoning Prevention Act requires Public Housing Projects to be inspected for lead-based paint. Under the statute, a lead-based paint is defined as paint with over 0.5% by weight. This threshold is equivalent to 5,000 mg/kg.

The subject property was constructed 9 years after the ban on the use of lead-based paint. Therefore, it is unlikely lead-based paints were used at the property. Interior painted surfaces of the buildings were in good condition with no indications of peeling or chipped paint. Also, this is not residential property and is not occupied by children.

Based on the age of the property, it is unlikely that lead based paints were used; therefore, no paint samples were collected. In addition, all of the painted surfaces were well maintained and in good condition.

RERC Environmental, Inc. concludes that the subject property has a low potential for environmental hazard from lead based paint.

## **6.6 Lead in Drinking Water**

### **6.6.1 Guidelines**

Lead (Pb) is a toxic heavy metal that does not decompose. Lead can be present in drinking water supplies as a result of contaminated source waters, the use of lead pipes or copper pipes with lead solder, and brass faucets and fittings which may contain lead.

The Safe Drinking Water Act of 1974 (SDWA) established a Maximum Contaminant Level Goal (MCLG) of zero for lead in drinking water, the regulatory limit MCL for public water systems was originally set at 50 µg/l. Under the Lead and Copper Rule (LCR), promulgated in 1991, U.S. EPA subsequently replaced this MCL with an action level (AL) of 15 µg/l. Currently, if a water system exceeds the AL in more than 10 percent of the samples collected, the system is required to implement a treatment program.

### **6.6.2 Conclusions**

The Village of Downers Grove obtains 100 % of its public water supply from Lake Michigan via the City of Chicago. According to the Village of Downers Grove Water Department, the subject property meets the U.S. EPA Drinking Water Standards.

The Village of Downers Grove tests the water for lead content on a monthly basis and the results of the tests indicate that the lead in the drinking water is less than the 15 mg/l action level for lead in drinking water. Furthermore, the water is tested once every three years for copper and lead, and it was below US EPA Action Level in 1996. In addition, the domestic hot and cold water systems utilize copper supply piping. Therefore, there is low potential for contamination of the drinking water at the subject property by lead.

## 6.7 PCB Electrical Equipment Identification

Polychlorinated Biphenyls (PCB) is the common name for a class of carcinogenic chemicals used as antioxidants in cooling oils in older electrical transformers. PCB electrical transformers were manufactured between 1929 and 1977. In 1986, the EPA estimated that approximately 77,000 PCB transformers were still in use. Of these, about 18,000 were owned by utility companies, with the majority of the transformers belonging to building owners.

One pad-mounted transformer is located on the subject property. This transformer is owned and maintained by ComEd (formerly Commonwealth Edison). The transformer did not have a yellow and black PCB warning sticker which is required by federal regulations for PCB equipment containing 500 ppm PCBs or greater. As owner of the electrical equipment, ComEd is responsible for keeping the transformer in compliance with all federal, state, and local regulations, and would be responsible for remediating any contamination or hazard associated with the equipment. The transformer appeared to be in good condition and there was no indication that coolant oil had previously leaked from the unit (i.e., stained or discolored soil).

There were several air-cooled transformers inside the building which were part of the internal electric distribution system. These transformers are owned by building owner. Since these transformers are air cooled they do not contain any cooling oils that could be contaminated with PCBs. Therefore, there is low potential for contamination of the subject property by PCBs.

## 6.8 Petroleum Storage Tank Facilities

Efforts were made to determine the presence of petroleum storage tanks (PST) on and within a 1 mile radius of the subject property. Visual observations at the subject property were supported by checking state and local resources for information regarding the

presence of any RST's on the subject property.

No ports, vents, concrete pads, saw cuts, or fuel pumps were observed on the subject property. The emergency diesel generator on the site uses natural gas for fuel. In addition to the visual observations, RERC Environmental reviewed the following two databases:

1. Registered Storage Tanks (RST) – August 4, 1997: The Illinois Registered Underground Storage Tank Inventory contains information pertaining to all registered active and inactive underground storage tanks located within the State of Illinois.
2. Leaking Registered Storage Tanks (LRST) – January 1, 1998: The Illinois Leaking Storage Tank Report: is a comprehensive listing of all reported leaking underground storage tanks located within the State of Illinois.

The subject property was not identified as an RST or LRST site from the field inspection or from review of the regulatory databases. The area reconnaissance and review of the environmental database identified five RST sites within ¼ mile and six LRST sites, within a 1 mile radius of the subject property. A summarized listing of the sites identified is presented in Appendix G.

**The closest RST/LRST site is located south of the subject property at 2525 Curtiss Street. The status of the site is presented below.**

- **Scot, Inc.:** The facility, located across Curtiss Street from the subject property is listed as a RST site. The database lists the site as zero total tanks. No tanks were visible to the inspector.

The risk associated with contamination of the subject property by the Scot, Inc. facility has low potential because of following reason; 1) the tank is not reported as leaking.

**Seven additional RST/LRST sites are located greater than 1/8 and less than ¼ mile of the subject property. The status of these sites is presented below:**

- **Arrow Gear Co:** The facility is located east and up-gradient, approximately 0.125-mile from the subject property and across Curtiss Street. The facility is as an RST/LRST site and currently is reported with zero active underground storage tanks.
- **Suburban Moving and Storage:** The facility is located approximately 0.18 mile southeast and up-gradient from the subject property. The facility is listed as an LRST site, with two active underground storage tanks.
- **Liberty Copper & Wire Co.:** The facility is located approximately 0.18 mile southeast

and up-gradient from the subject property. The facility is not listed as an LRST site and has four registered tanks.

- **Molex Inc.:** The facility is located approximately 0.2 mile west and up-gradient from the subject property. The facility is listed as an LRST site and the number of tanks is not specified.

The remainder of the RST/LRST sites are all located over ¼ mile from the subject property and are all up-gradient relative to the subject property.

The RST/LRST facilities are considered to have low potential for environmental hazard to the subject property because of the distances of the facilities, and because of the low permeability of the soil in the area.

## 6.9 Other Conditions of Concern

Based on visual observations made during the on-site inspection, nothing was observed to indicate that the subject property could be considered a wetland, an endangered species habitat, a federally designated scenic area, a historical landmark site, or an area of archeological or paleontologic interest.

## 7.0 REGULATORY/GOVERNMENT AGENCY INQUIRIES

The following regulatory agency lists were reviewed and local governments contacted for information concerning the potential contamination on or within the vicinity of the subject property.

### 7.1 Federal and State Regulatory Agencies

A review of applicable and accessible federal, state, and local databases was made to ascertain whether the subject property or adjacent properties were suspected of having environmental problems which could impact the subject property. The most recent databases reviewed include:

- A. Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) – December 31, 1997: The CERCLIS database is a comprehensive listing of known or suspected uncontrolled or abandoned hazardous waste sites. These sites have been investigated, or are currently under investigation by the Federal EPA for the release, or threatened release of hazardous substances. Once a site is placed in CERCLIS, it may be subjected to several levels of review and evaluation and ultimately placed on the National Priorities list. As of February 1995, CERCLIS sites designated "no further remedial action planned" (NFRAP) have been removed from the CERCLIS database.
- B. No Further Remedial Action Planned Sites (NFRAP) - May 6, 1997: The No Further Remedial Action Planned Report, also known as the CERCLIS Archive, contains information pertaining to sites which have been removed from the EPA's CERCLIS Database. NFRAP sites may be sites where, following an initial investigation, either no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require federal Superfund action or NPL consideration.
- C. National Priorities List (NPL) – September 25, 1997: The NPL database, also known as the Superfund list, is an EPA listing of uncontrolled or abandoned hazardous waste sites. The database is primarily based upon a score which the sites receive from the EPA's hazardous ranking system. These sites are targeted for possible long-term remedial action under the Superfund Act of 1980.
- D. Resource Conservation and Recovery Act Information System (RCRIS-TS) Treatment Storage and Disposal Facilities – January 1, 1998: This database contains information pertaining to facilities which either treat, storage, or dispose of



hazardous waste. Information pertaining to the status of facilities tracked by the RCRA Administrative Action Tracking System (RAATS) is included in the RCRIS-TS database.

- E. Resource Conservation and Recovery Act Information System (RCRIS-LG) Large Quantity Generators – January 1, 1998: The RCRIS-LG database contains information pertaining to facilities which either generate more than 1,000 kg (2,205 pounds) of hazardous waste per month or meet other applicable requirements of the Resource Conservation and Recovery Act. Information pertaining to the status of facilities tracked by the RCRA Administrative Action Tracking System (RAATS) is included in the RCRIS-LG database.
- F. Resource Conservation and Recovery Act Information System (RCRIS-SG) Small Quantity Generators – January 1, 1998: The RCRIS-SG database contains information pertaining to facilities which either generate between 100 kg (220 pounds) and 1,000 kg (2,205 pounds) of hazardous waste per month or meet other applicable requirements of the Resource Conservation and Recovery Act. Information pertaining to the status of facilities tracked by the RCRA Administrative Act Tracking System (RAATS) is included in the RCRIS-SG database.
- G. Category List (HWS) – June 1, 1997: The Illinois Hazardous Waste Sites List contains information concerning sites that are deemed potentially hazardous to the public health and welfare by the Illinois Environmental Protection Agency.
- H. Corrective Action Report (CORRACTS) – December 15, 1997: This database identifies hazardous waste handlers with RCRA corrective action activity.
- I. Emergency Response Notification System (ERNS) – September 30, 1997: This database is the EPA's national computer database system that is used to store information on the sudden and/or accidental release of hazardous substances, including petroleum, into the environment. The ERNS reporting system contains preliminary information on specific release, including the spill location, the substance released and the responsible party.

The subject property was not identified as a CERCLIS, NFRAP, NPL, HWS, CORRACTS, ERNS, RCRIS-TS, RCRIS-LG, or RCRIS-SG from the review of the environmental databases and area reconnaissance. The subject property was identified as in the FINDS database. The Facility Index System provides pointers to other sources that contain more detail.

There is one CORRACTS facility within a ¼ mile radius. There are twenty-one RCRIS generators of hazardous waste located within a ½ mile radius of the subject property.

**The CORRACTS facility identified is Liberty Copper & Wire Co.:** The facility is located approximately 0.18 mile southeast and up-gradient from the subject property. This property is also in the RCRIS-SG, FINDS, RAATS, NFRAP, and UST lists. Its CORRACTS priority is low. A preliminary assessment of its NFRAP status was completed in 1993. Based on the information available in the database it is our opinion that this facility has a low potential for environmental hazard to the subject property.

**The RCRIS facilities identified within approximately ¼ mile of the subject property are listed below:**

**Rexnord Corporation:** This facility is a large quantity generator of hazardous waste. According to the database, this facility is in compliance with federal and state regulatory laws and the facility does not have a history of violations. According to the database, this facility has air and water discharge permits.

**Ames Supply Co.:** This facility is a large quantity generator of hazardous waste. According to the database, this facility is in compliance with federal and state regulatory laws and the facility does not have a history of violations.

**Scot, Inc.:** This facility is a small quantity generator of hazardous waste. According to the database, this facility was reported out of compliance in 1988. There have been no other reports of non-compliance since then. According to the database, this facility has a water discharge permit.

**Rexnord Corp. Filament Wound Op.:** This facility is a small quantity generator of hazardous waste. According to the database, this facility is in compliance with federal and state regulatory laws and the facility does not have a history of violations.

**Arrow Gear Co.:** This facility is a small quantity generator of hazardous waste. According to the database, this facility is in compliance with federal and state regulatory laws and the facility does not have a history of violations. According to the database, this facility has air and water discharge permits.

**Heuft USA:** This facility is a small quantity generator of hazardous waste. According to the database, this facility is in compliance with federal and state regulatory laws and the facility does not have a history of violations.

**Seatt Corp:** This facility is a small quantity generator of hazardous waste. According to the database, this facility is in compliance with federal and state regulatory laws and the facility does not have a history of violations.

**CVP Systems, Inc.:** This facility is a small quantity generator of hazardous waste. According to the database, this facility is in compliance with federal and state regulatory laws and the facility does not have a history of violations.

**Advanced Products Marketing, Inc.:** This facility is a large quantity generator of hazardous waste. According to the database, this facility is in compliance with federal and state regulatory laws and the facility does not have a history of violations.

**Mid-States Engr and Sales:** This facility is a small quantity generator of hazardous waste. According to the database, this facility is in compliance with federal and state regulatory laws and the facility does not have a history of violations.

**Tricon Ind Inc.:** This facility is a small quantity generator of hazardous waste. According to the database, this facility is in compliance with federal and state regulatory laws and the facility does not have a history of violations. According to the database, this facility has an air discharge permit.

**Bison Gear & Engineering Co.:** This facility is a large quantity generator of hazardous waste. According to the database, this facility is in compliance with federal and state regulatory laws and the facility does not have a history of violations.

**Mid America Door Distributor:** This facility is a small quantity generator of hazardous waste. According to the database, this facility is in compliance with federal and state regulatory laws and the facility does not have a history of violations.

**J.L. Clark Mfg Co.:** This facility is a small quantity generator of hazardous waste. According to the database, this facility is in compliance with federal and state regulatory laws and the facility does not have a history of violations and has an air discharge permit.

**Precision Brand Products Inc.:** This facility is a small quantity generator of hazardous waste. According to the database, this facility is in compliance with federal and state regulatory laws and the facility does not have a history of violations.

**Norwood Marketing Sys:** This facility is a small quantity generator of hazardous waste. According to the database, this facility was reported out of compliance in 1992. There have been no other reports of non-compliance since then. According to the database, this facility has an air discharge permit.

**Reliable Label Inc.:** This facility is a small quantity generator of hazardous waste. According to the database, this facility was reported out of compliance in 1993. There have been no other reports of non-compliance since then.

**Principal Mfg:** This facility is a small quantity generator of hazardous waste. According to the database, this facility is in compliance with federal and state regulatory laws and the facility does not have a history of violations.

The risk associated with contamination migrating from the RCRIS sites to the subject property is low potential because of the following reasons; (1) the facilities are in compliance with federal and state regulatory laws and do not have a history of violations or (2) the violations were reported five or more years ago and most likely corrected.

One RCRIS facility identified is located from approximately ¼ to ½ mile from the subject property.

The risk associated with contamination migrating from this RCRIS sites to the subject property has low potential because of the following reason; the site is over ¼ mile from subject property.

## 7.2 Local Government Inquiries

The Village of Downers Grove Public Works department was contacted for recorded information regarding waste water and storm water discharges. According to Janet Buchner, Laboratory Services Director, the wastewater discharge has been satisfactory. According to Kevin Dunne, Drainage Supervisor, about two years ago there was a discharge of a black liquid from "some gear-cutting process". When reported it was cleaned up. Later, about one year ago, coolant was found in the storm water discharge. When reported it was cleaned up.

Martin P. Hanson, of RERC Environmental, Inc., Inspected the Village of Downers Grove Zoning Map on June 23, 1998. According to the Zoning Map, the subject property is zoned M-1 (Light Manufacturing District). This zoning allows for the development of industrial facilities, including the current improvements and usage.

## 8.0 CONCLUSIONS

Based upon the information gathered during this engagement and within the scope of the Phase I Environmental Site Assessment, RERC Environmental, Inc. recommends no additional investigative work to further define the potential environmental hazard at the Dynagear Inc. facility. The following items and observations were identified during completion of this Environmental Site Assessment:

1. The adjacent properties and properties located within a 1 mile radius of the subject property are considered to have low potentials for environmental hazard to the subject property.
2. No environmental hazards were detected from the review of the aerial photographs.
3. No suspect asbestos-containing building materials were identified on the subject property.
4. The subject property is located in an area where predicted concentrations of radon gas are not expected to be over the EPA's threshold of concern at 4 pCi/l.
5. No lead-based paints were identified on the subject property.
6. The level of lead in the drinking water is less than the 15 ppb EPA action level.
7. The transformers observed on the subject property are in good condition with no indications of leakage.
8. There is no indication of underground or aboveground storage tanks, or hazardous waste generation or storage on the subject property.
9. The subject property was identified as a FINDS facility. The subject property was not identified as a NFRAP, RCRIS-TSD, RCRIS-SG, RCRIS-LG, CERCLIS, NPL, RST, LRST, Superfund, or permitted landfill facility from the on-site inspection, review of the regulatory agency databases, or local government inquiries.

## 9.0 RECOMMENDATIONS

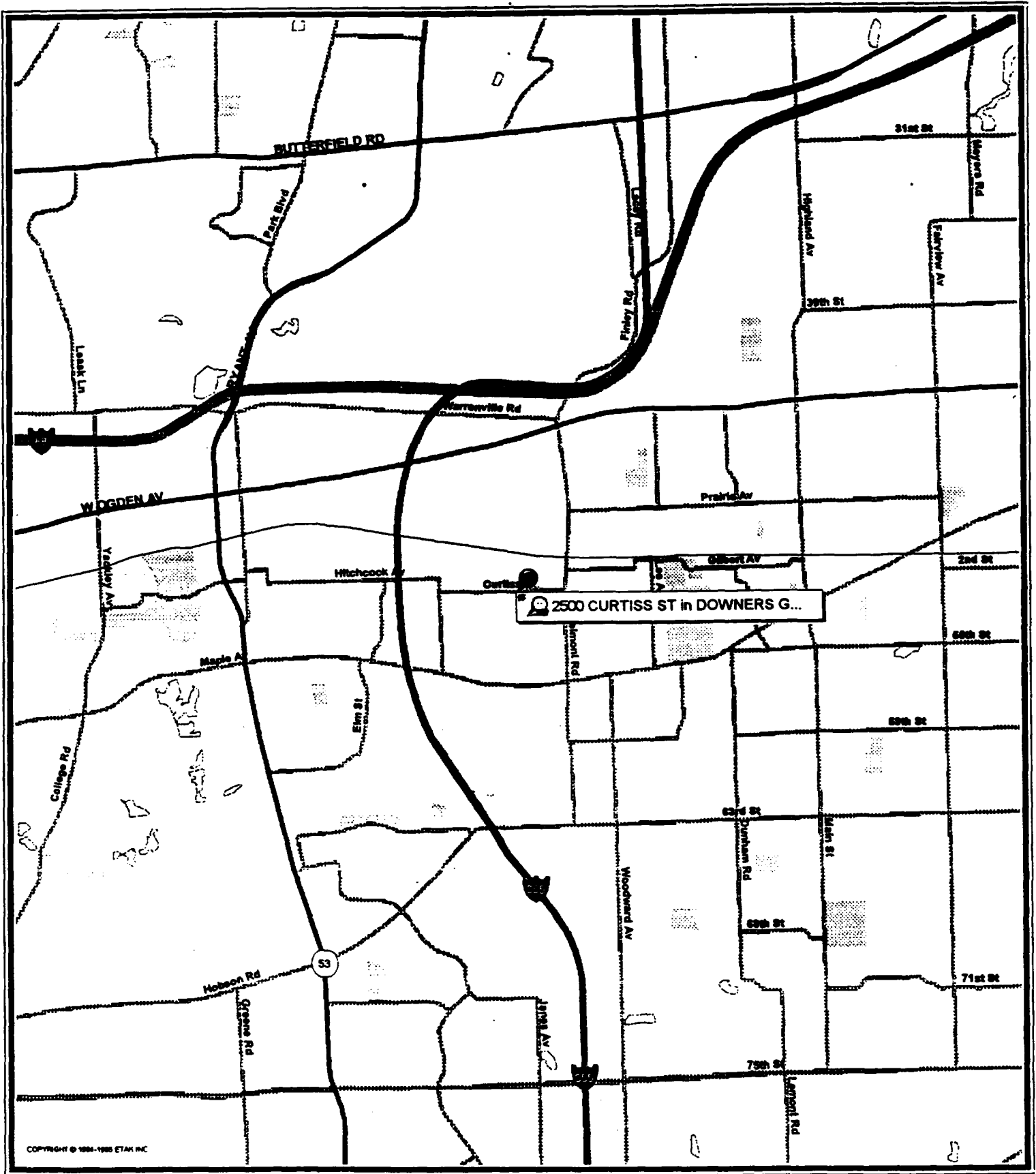
RERC Environmental, Inc. recommends no further investigations be conducted on or around the subject property to determine the presence of hazardous substances or petroleum products on the subject property.

**FIGURE I**  
**VICINITY MAP**

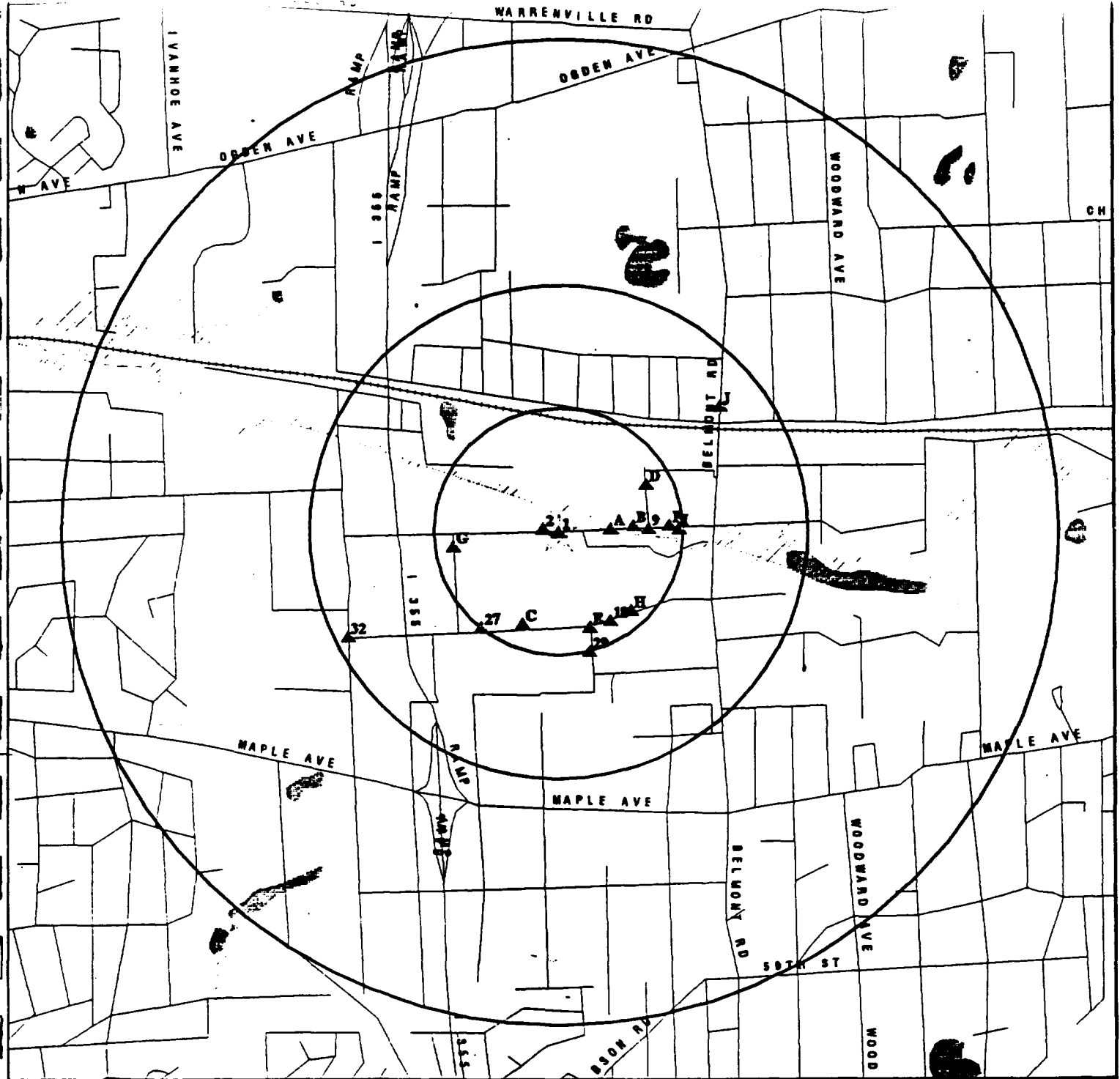
CHICAGO • DALLAS • ATLANTA



# Vicinity Map



**FIGURE II**  
**OVERVIEW MAP**



☆ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Coal Gasification Sites (if requested)

□ National Priority List Sites

□ Landfill Sites

Power transmission lines

Oil & Gas pipelines

□ 100-year flood zone

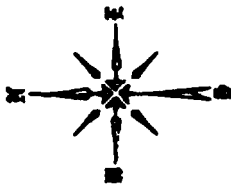
□ 500-year flood zone

■ Wetlands per National Wetlands Inventory (1994)

TARGET PROPERTY: Dynagear, Inc.  
ADDRESS: 2500 Curtiss Street  
CITY/STATE/ZIP: Downers Grove IL 60515  
LAT/LONG: 41.7924 / 88.6439

CUSTOMER: RERC Environmental, Inc.  
CONTACT: Mr. Martin Hanson  
INQUIRY #: 0266117.1r  
DATE: June 25, 1998 3:28 pm

FIGURE III  
SITE DRAWING



Storm  
Water  
Retention  
Basin

St. Joseph Creek

Loading  
Area  
Concrete  
Apron

Grass

Office

Grass

One  
Story  
Factory/Warehouse

Curtis Street

Dynagear, Inc.

## SITE DRAWING

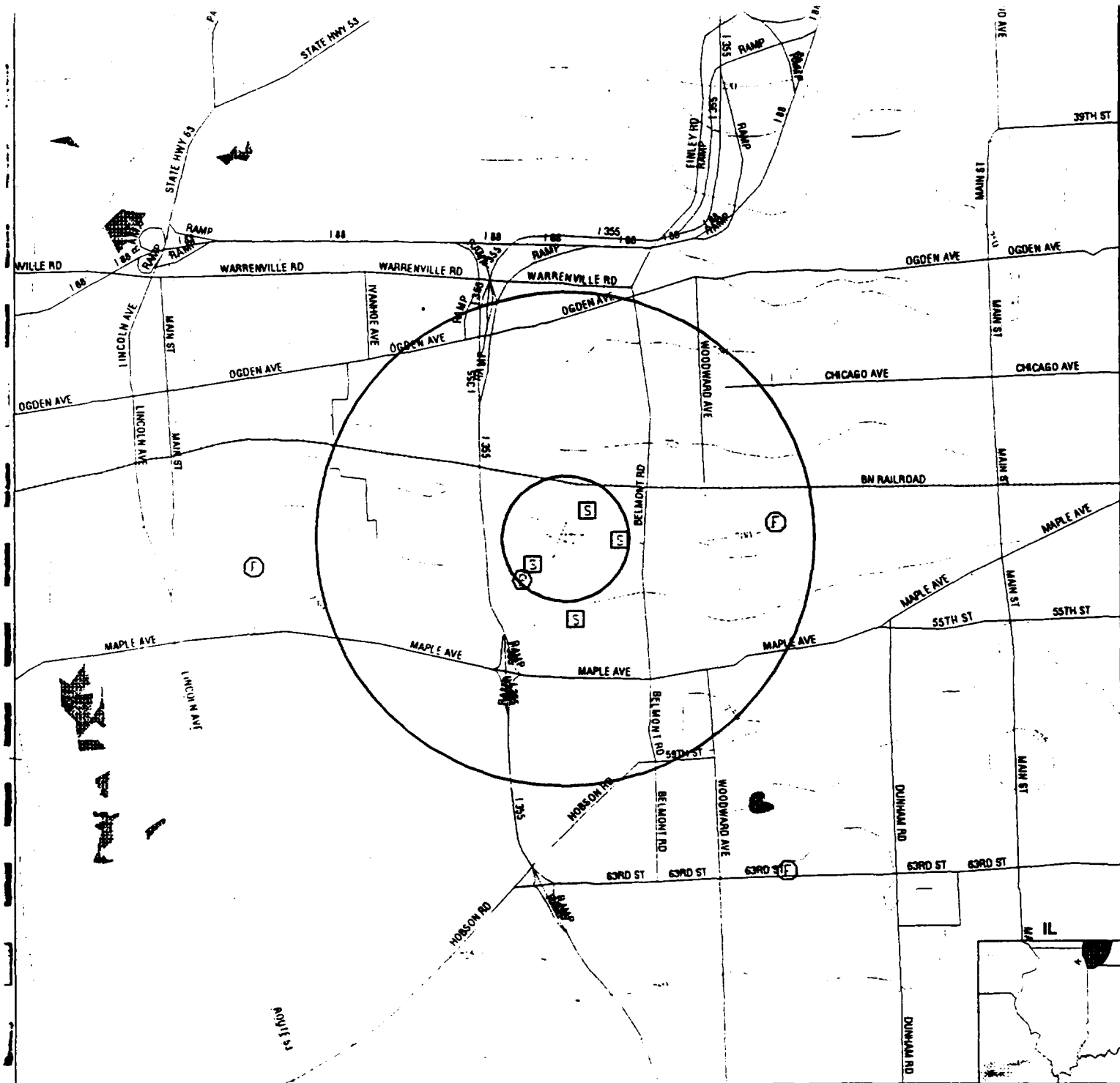
**RERC**

ENVIRONMENTAL, Inc.

Dynagear, Inc.  
2500 Curtis Street  
Downers Grove, IL 60515

Project 4512  
Date: 7.6.98  
Scale: NTS

**FIGURE IV**  
**TOPOGRAPHIC MAP**



- Major Roads
- Contour Lines
- Waterways
- ⊙ Earthquake epicenter, Richter 5 or greater
- F Closest Federal Well in quadrant
- S Closest State Well in quadrant
- P Closest Public Water Supply Well

Closest Hydrogeological Data

0 1/2 1 2 Miles

TARGET PROPERTY: Dynagear, Inc.  
 ADDRESS: 2500 Curtiss Street  
 CITY/STATE/ZIP: Downers Grove IL 60515  
 LAT/LONG: 41.7924 / 88.0439

CUSTOMER: RERC Environmental, Inc.  
 CONTACT: Mr. Martin Hanson  
 INQUIRY #: 0266117.1r  
 DATE: June 25, 1998 3:34 pm

**APPENDIX A**  
**PERSONNEL QUALIFICATIONS**



**MARTIN P. HANSON, P.E.**  
**Vice-President**  
**RERC Environmental, Inc.**

**Academic**

- |                                      |                                       |
|--------------------------------------|---------------------------------------|
| U.S. Naval Academy                   | • B.S. in Mechanical Engineering      |
| Wayne State University               | • Business Administration courses     |
| Drexel University                    | • Engineering Management courses      |
| University of Illinois<br>at Chicago | • Asbestos Building Inspection Course |

**Other**

- Registered Professional Engineer:  
Illinois, Michigan, Texas, Louisiana, Maine, New  
Hampshire
- Professional Asbestos Inspector, Illinois

**Experience**

Mr. Hanson has 38 years of experience in engineering, facilities operation, management, and property inspection. Mr. Hanson worked for four U.S. Department of Energy contractors as a consultant in environmental restoration and energy research and development.

As a Naval Reserve officer Mr. Hanson performed engineering condition and environmental inspections of Naval Reserve Centers throughout the United States.

As an engineering manager with United Engineers & Constructors, Inc. he supervised engineering and construction of four nuclear plants. He was on-site engineering manager for one of these projects.

As a project engineer with Consumers Power Company Mr. Hanson prepared an environmental report and performed pre-operational testing for nuclear plants.

During his active duty in the U.S. Navy he qualified and performed as underway officer of the deck, propulsion plant watch officer; and engineer officer of the watch. The latter two qualifications were achieved on the eight reactor nuclear aircraft carrier, U.S.S. Enterprise.

APPENDIX B  
SITE PHOTOGRAPHS

Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512

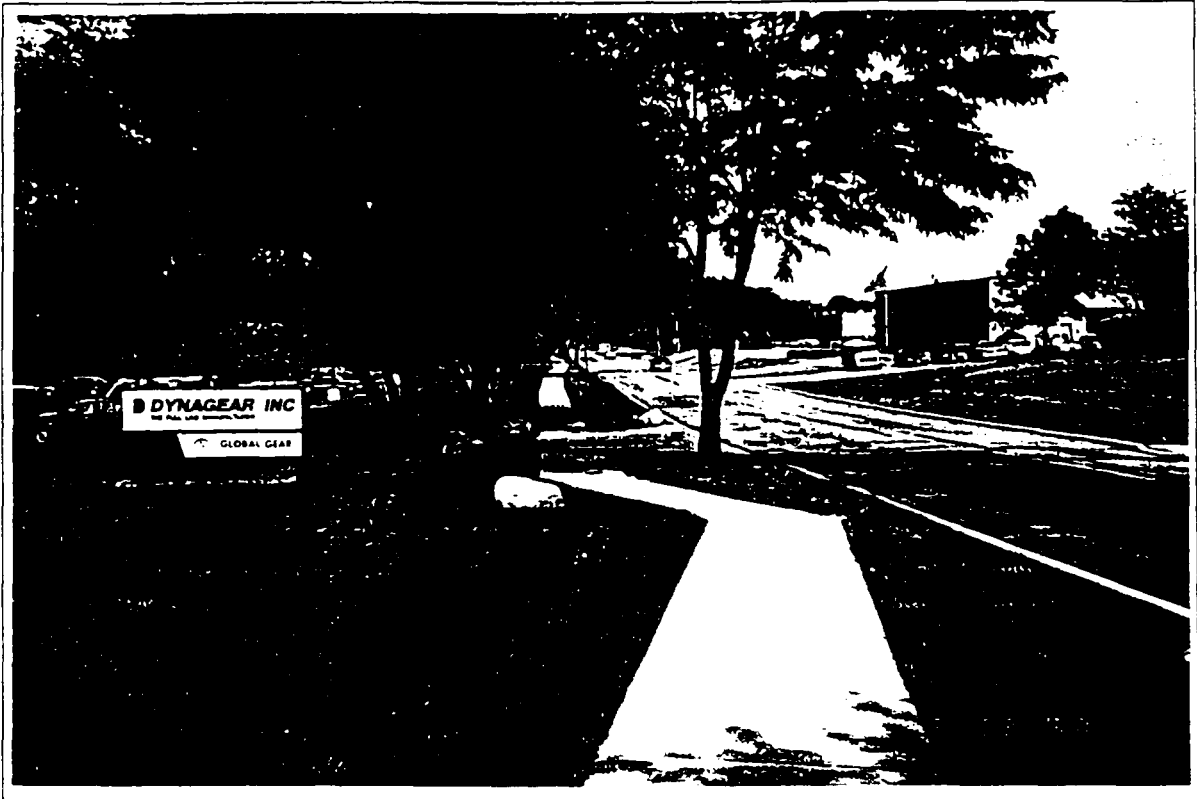


Photograph 1: Sign at entrance to Dynagear, Inc.

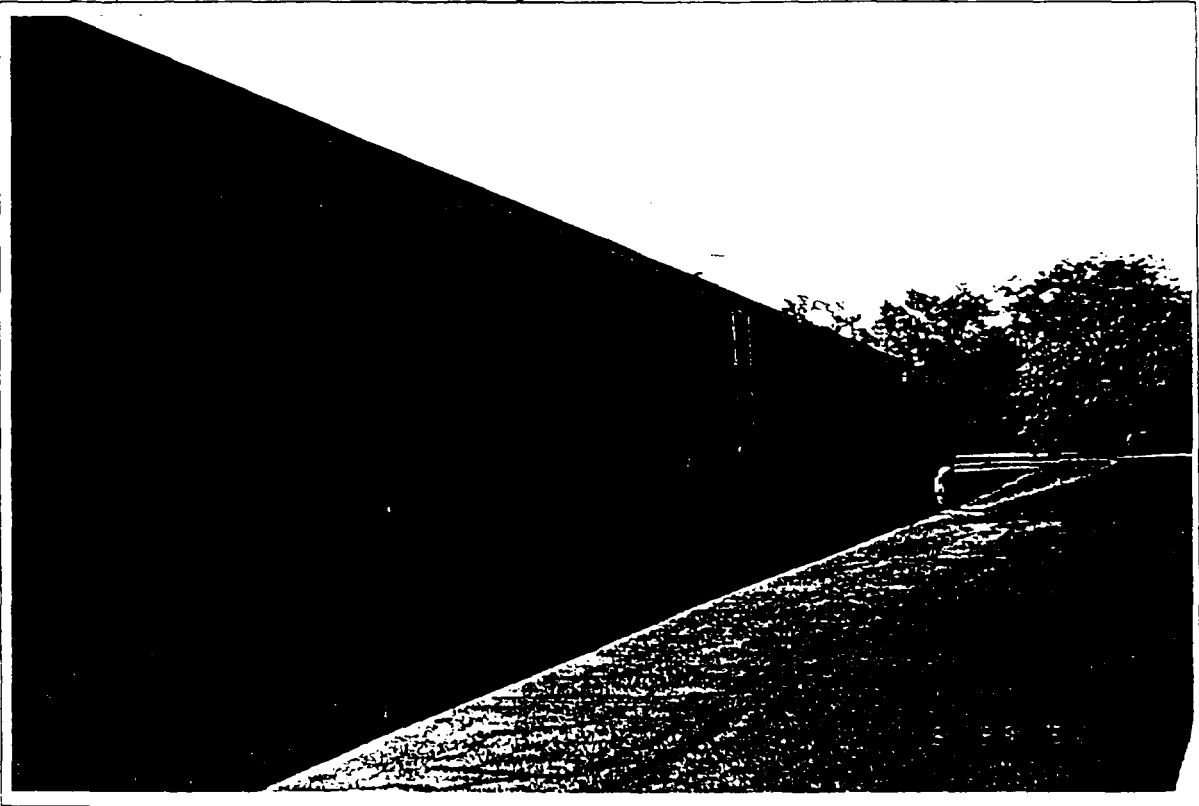


Photograph 2: Entrance to Dynagear, Inc. office wing

Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512

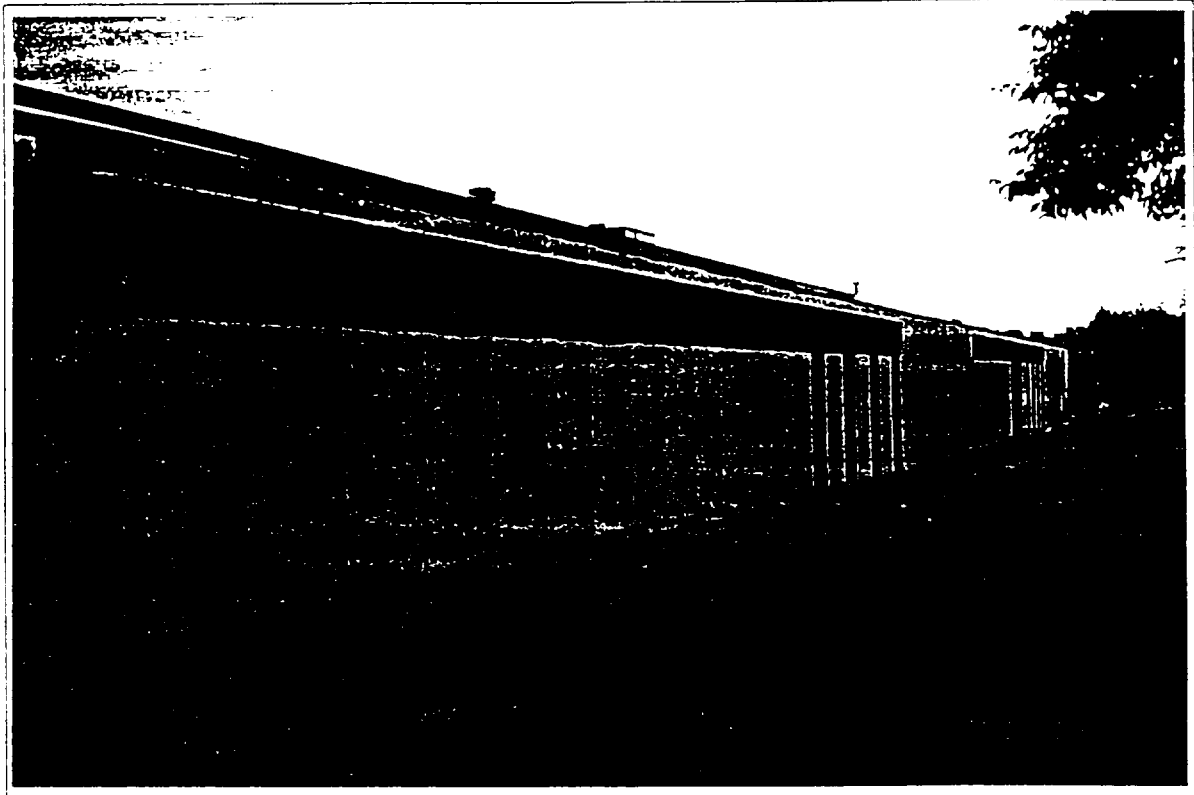


Photograph 3: View to the east along Curtiss Street from Dynagear



Photograph 4: View of west side of Dynagear building

Dynagear, Inc  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512



Photograph 5: View of south side of Dynagear building



Photograph 6: Hueft USA and CVP Systems on Wisconsin Avenue

Dynagear, Inc  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512

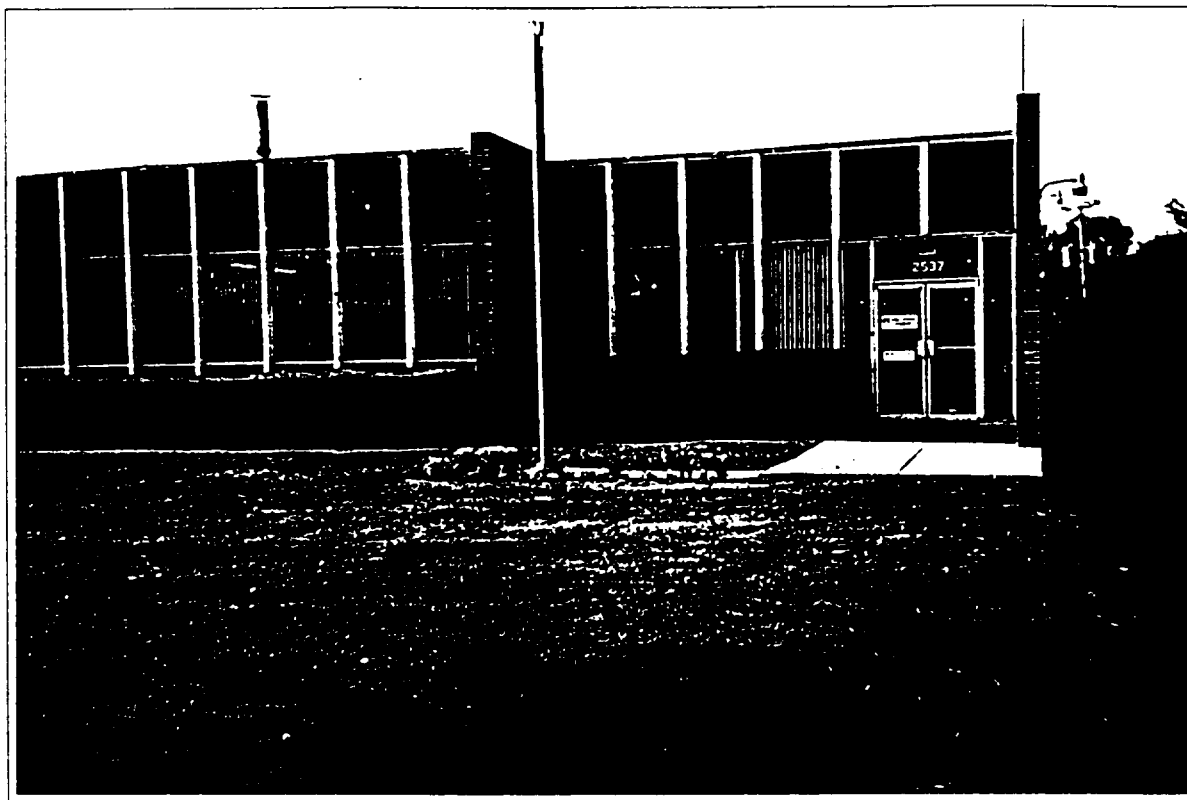


Photograph 7: Scot Inc. at 2525 Curtiss Street



Photograph 8: Rexnord at 2400 Curtiss Street

Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512



Photograph 9. Ames Supply Company at 2537 Curtiss Street

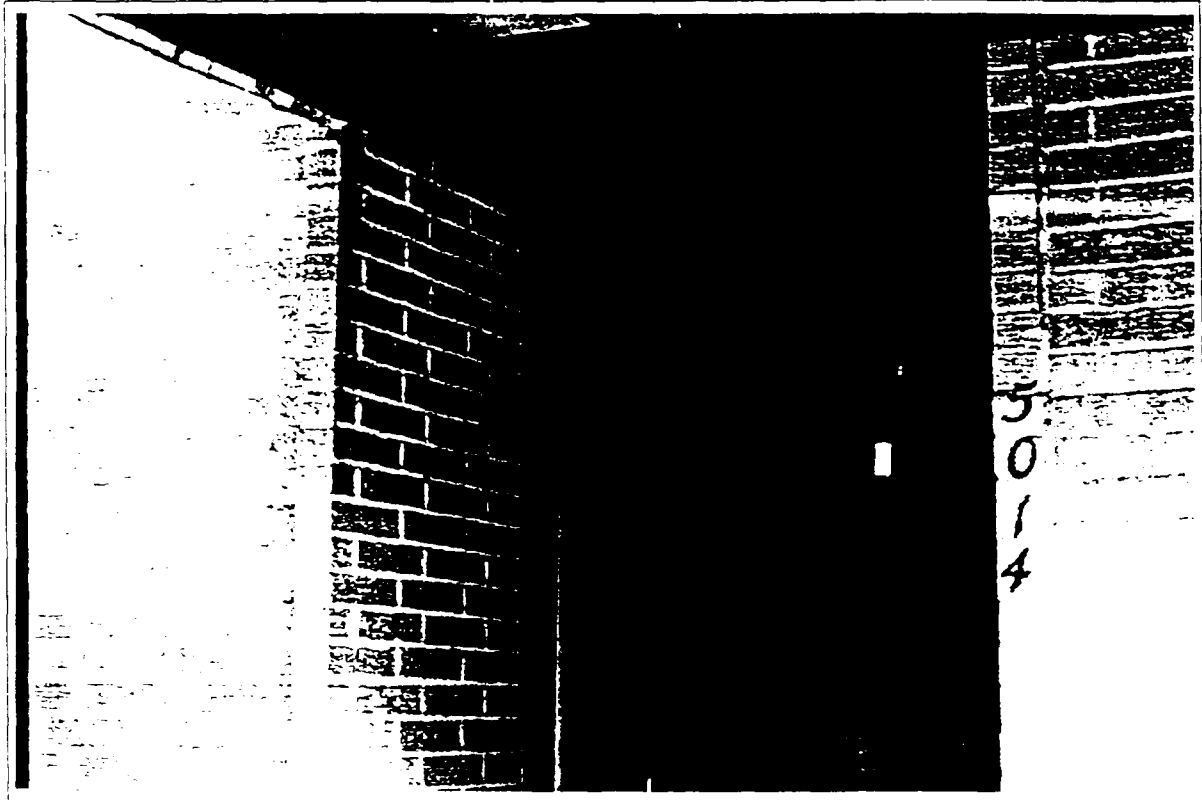


Photograph 10. Rexnord Corp. Filament Wound Operation at 2324 Curtiss Street

Dynagear, Inc  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc Job # 4512



Photograph 11: Arrow Gear Co. at 2301 Curtiss Street



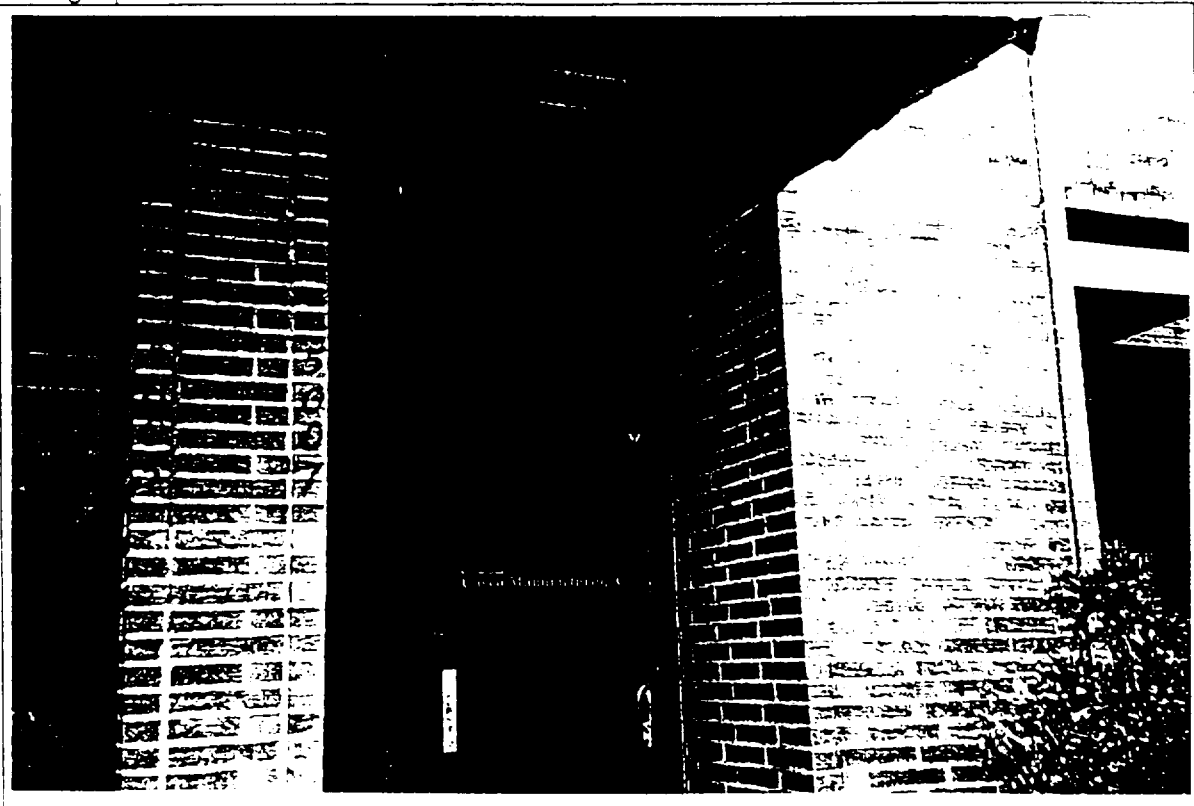
Photograph 12: Mid States Engineering and Sales 5014 Chase Avenue



Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512

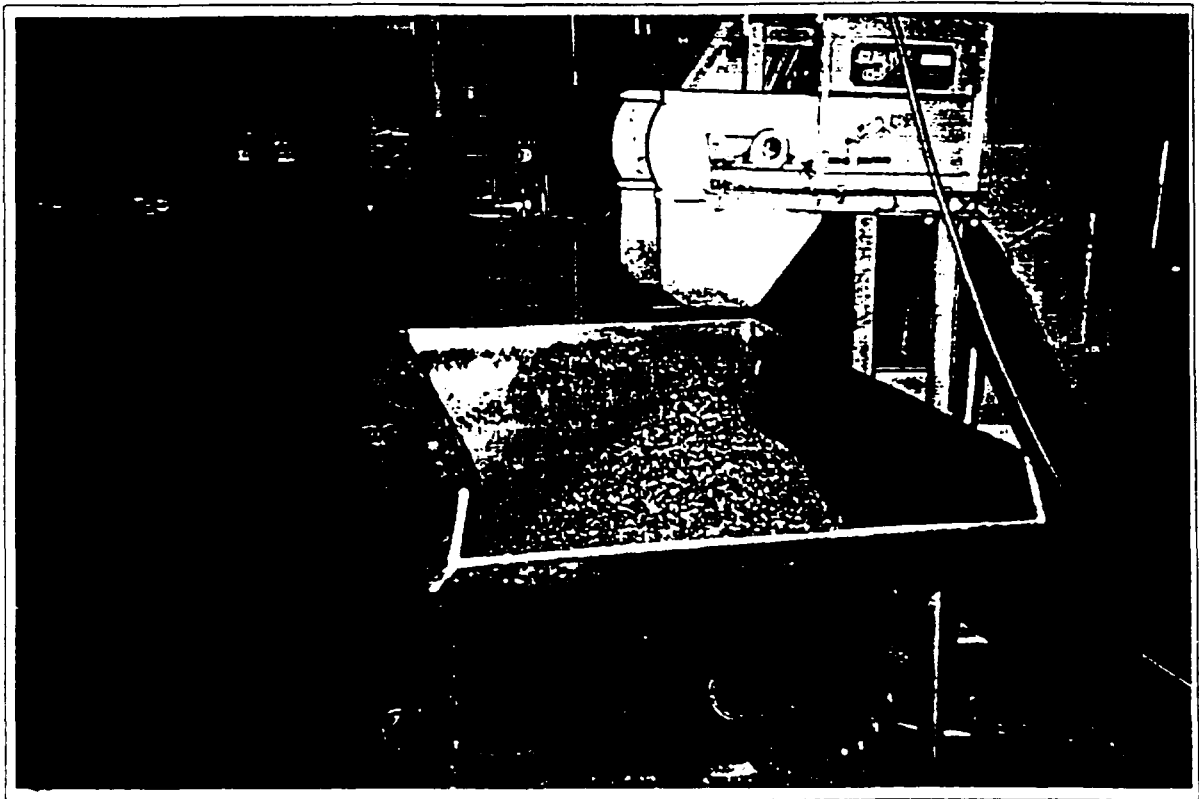


Photograph 13: Tricon Industries, Inc. at 5000 Chase Street



Photograph 14: Advanced Products Marketing Inc. at 5007 Chase Avenue

Dynagear, Inc  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512



Photograph 19: Collection bin for metal cuttings from factory process

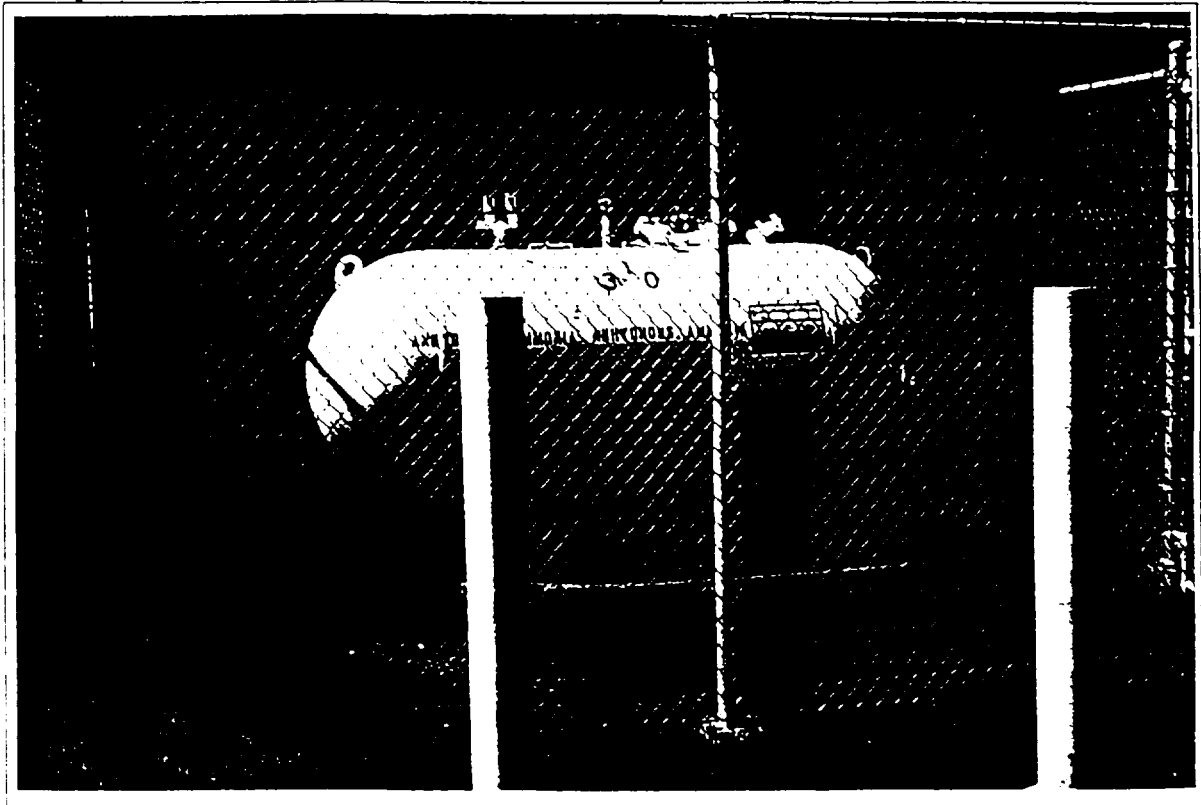


Photograph 20: Dumpster for Cozzi in which metal cuttings are collected for shipment

Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512



Photograph 15 Diesel generator inside factory building



Photograph 16 Anhydrous ammonia tank on north side of factory building

Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512

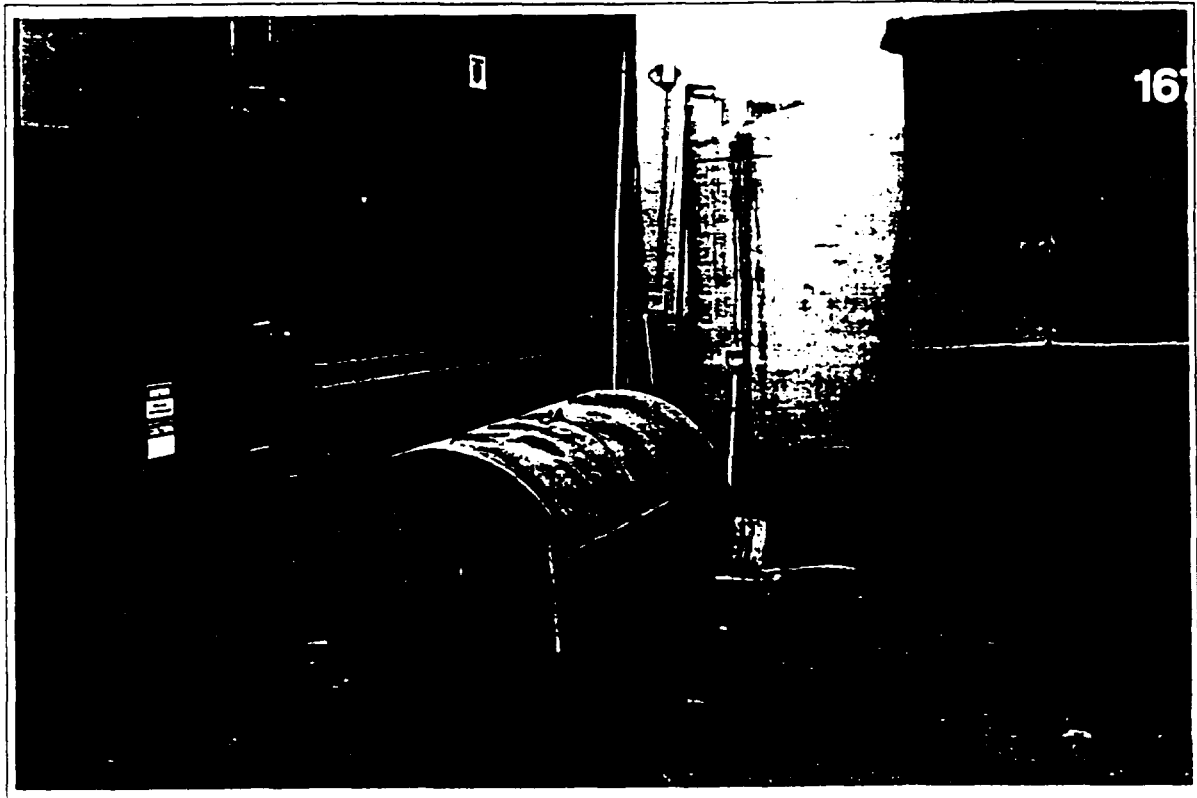


Photograph 17: Drums of Perkool on side of factory building



Photograph 18: Truck loading docks on northeast side of factory building

Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512

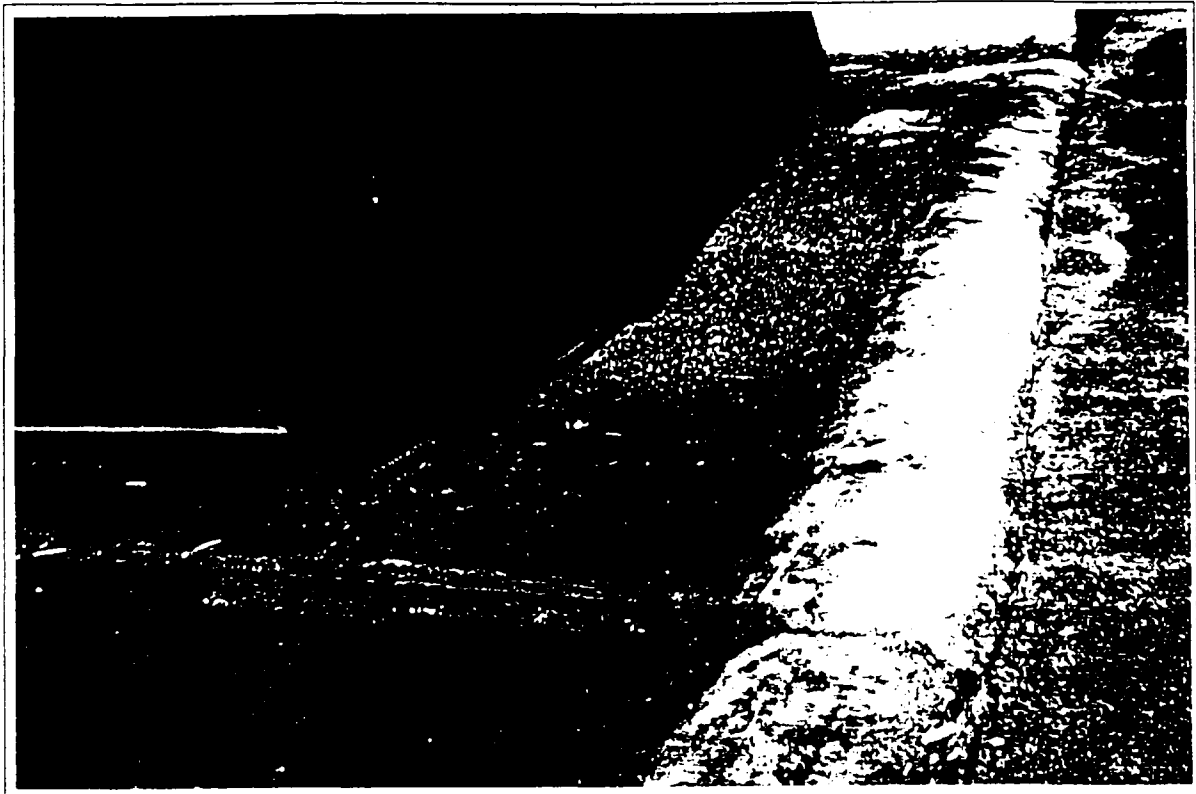


Photograph 21: Tanks used for collecting leakage from recycling dumpsters

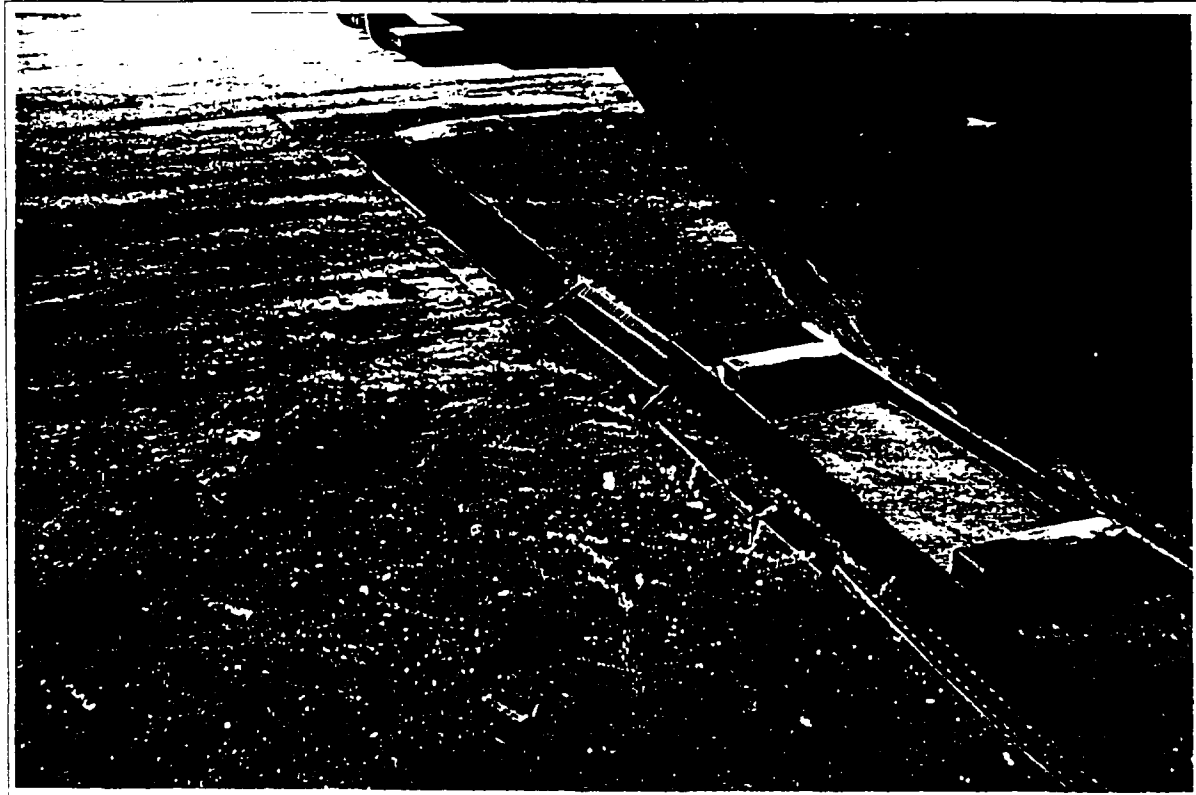


Photograph 22: Paving around Cozzi dumpster showing metal cuttings and stains

Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512

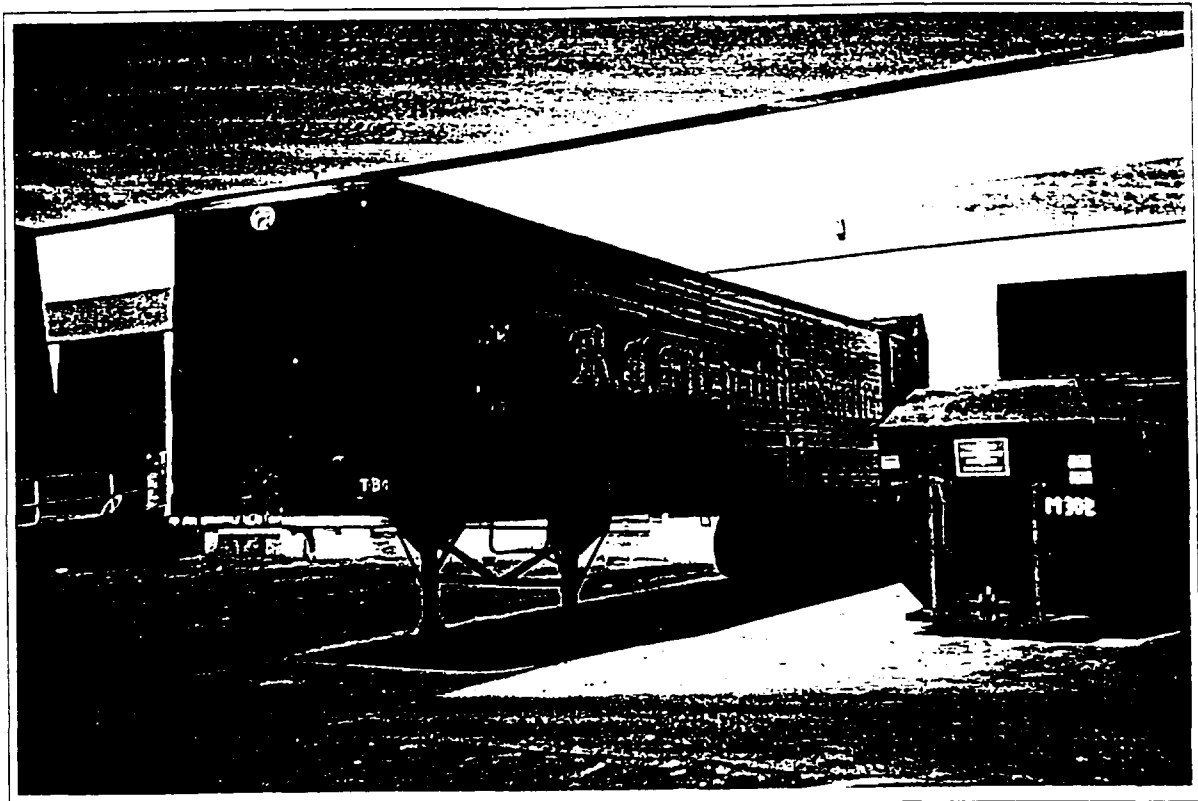


Photograph 23. Another view of dumpster showing barrier to contain leaking fluids

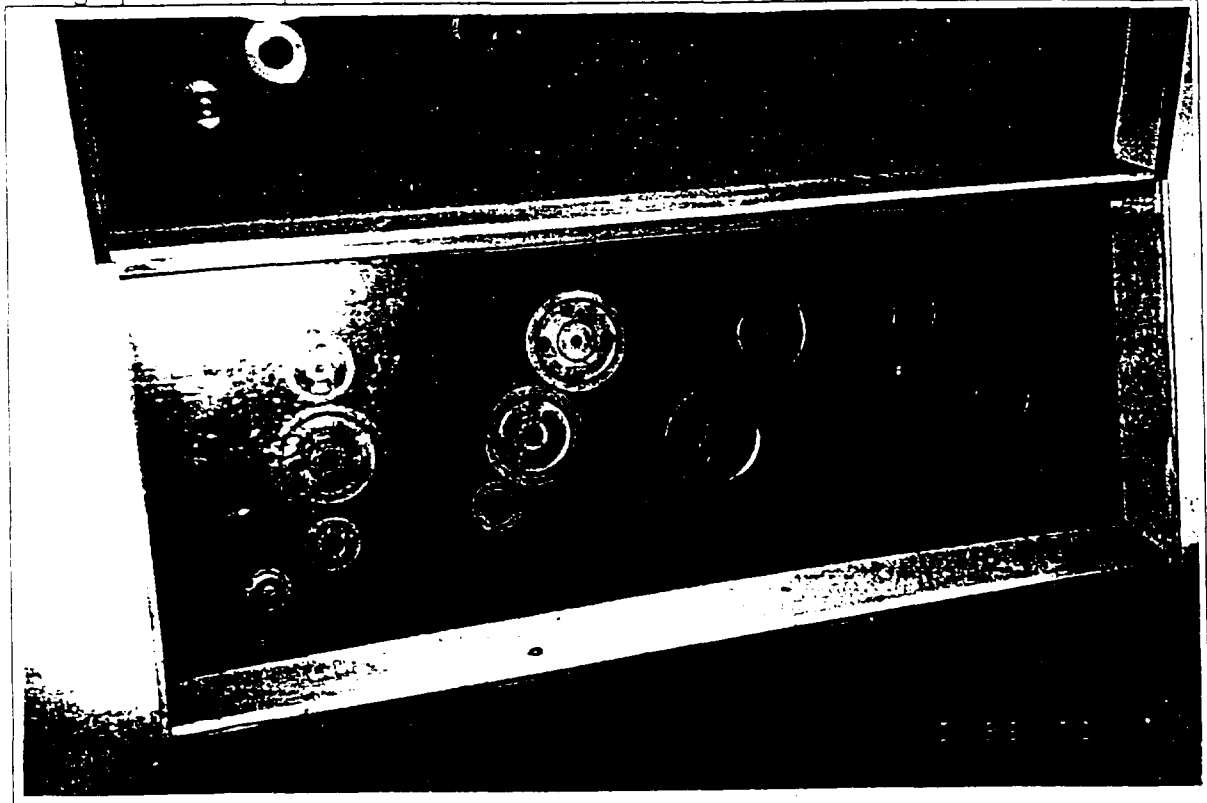


Photograph 24. View of Cozzi dumpster showing metal tray to collect leaking fluids

Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512

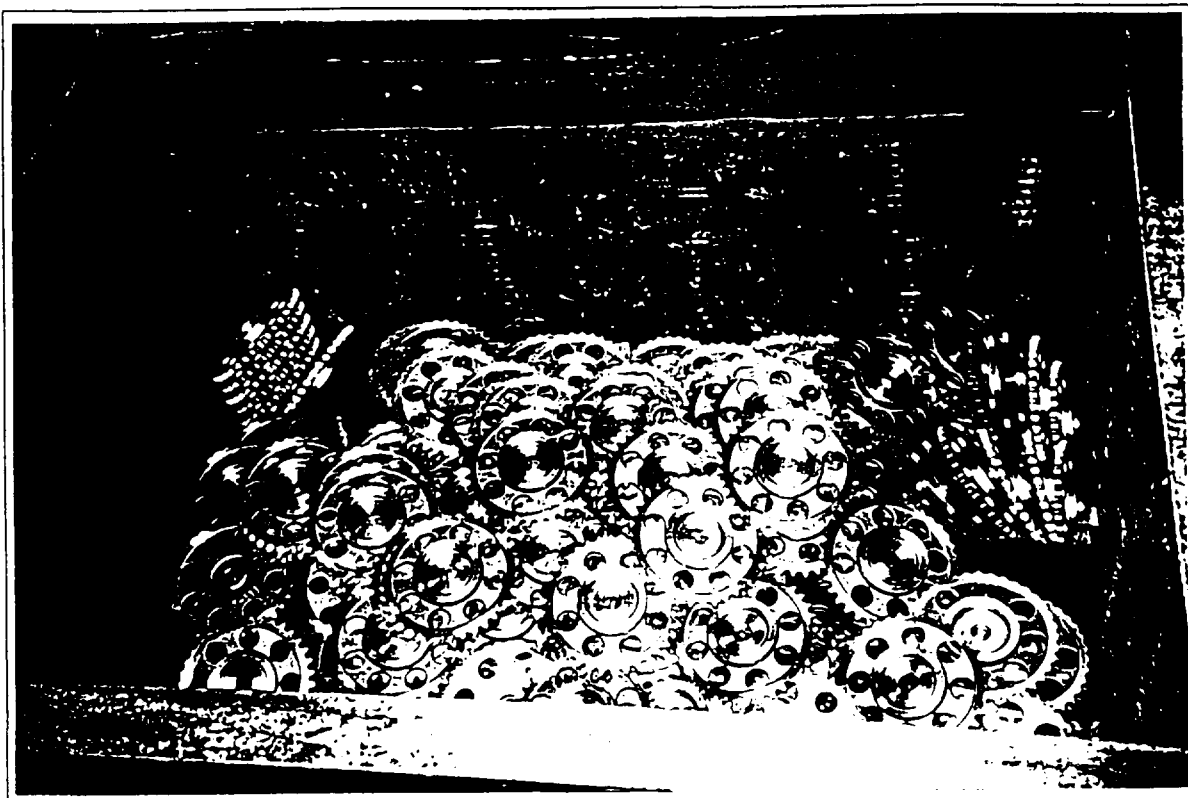


Photograph 25: Fitzpatrick Smelter trailer for collecting metal for recycling

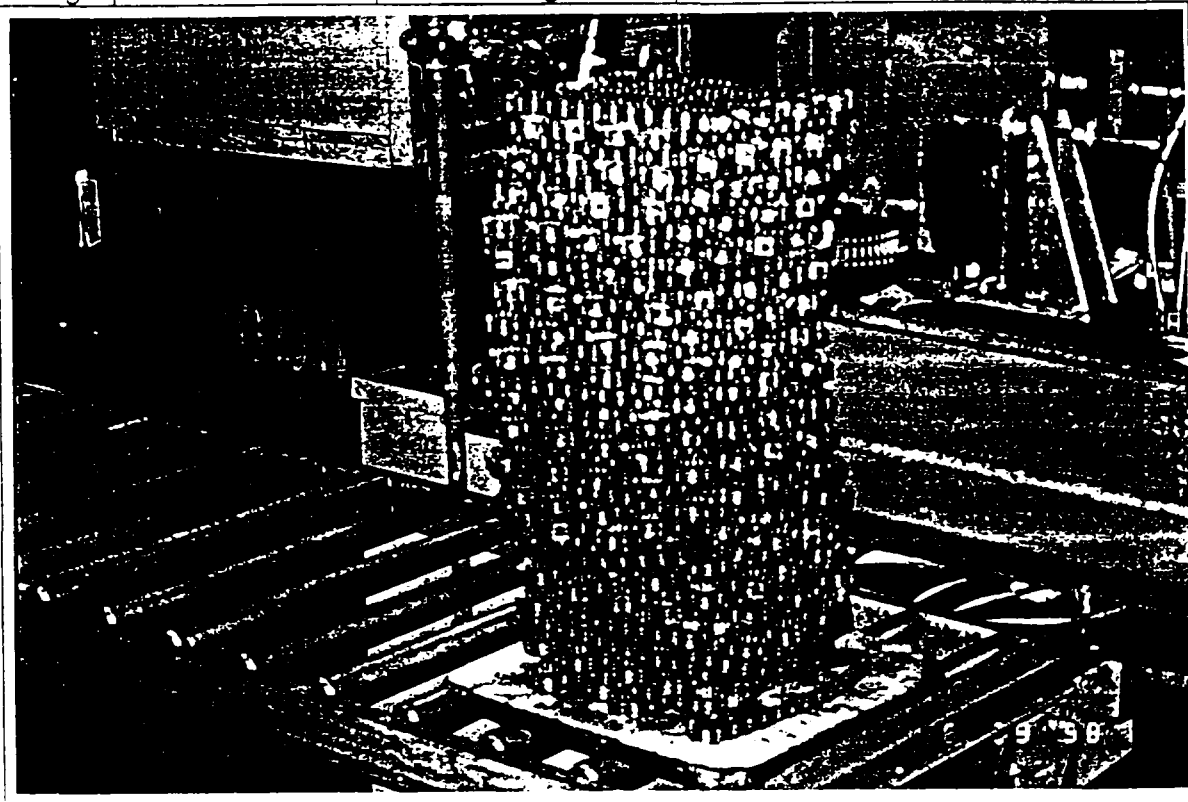


Photograph 26: Product display inside factory showing timing gears

Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512



Photograph 27: Bin of completed timing chain sprockets



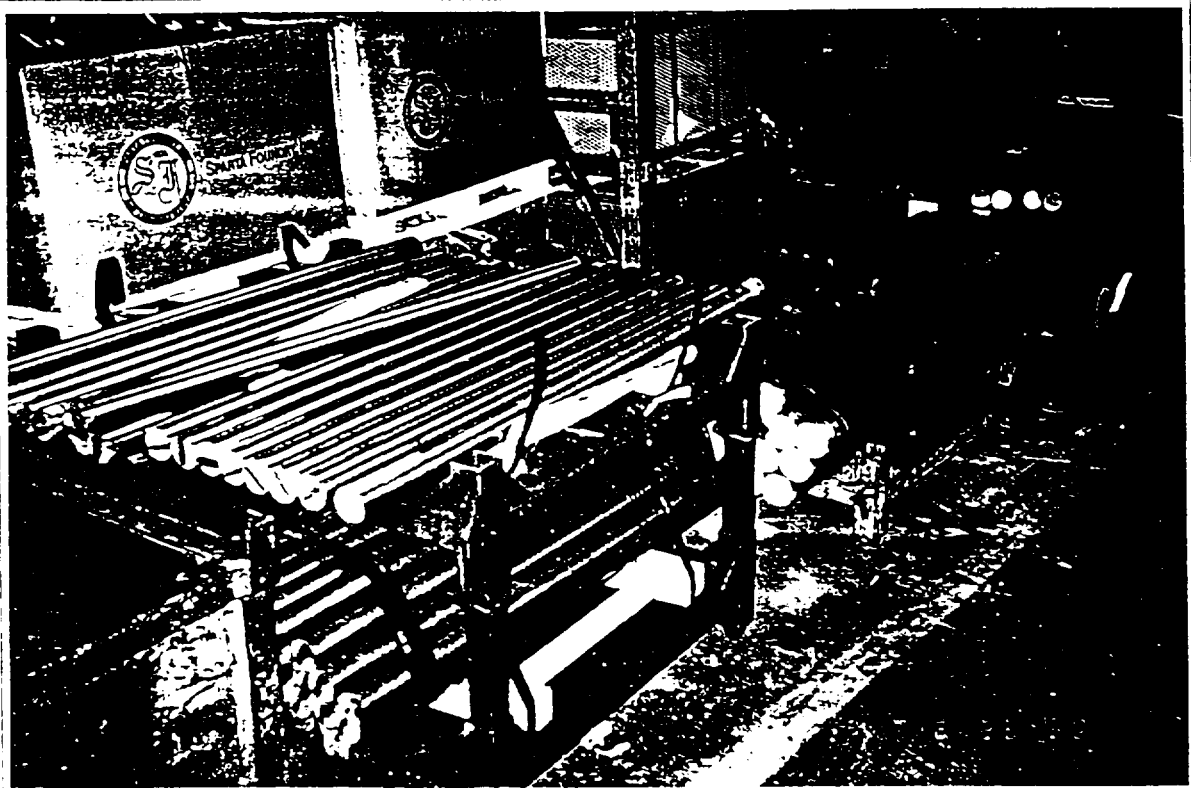
Photograph 28: Stack of completed timing chains



Dynagear, Inc  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512

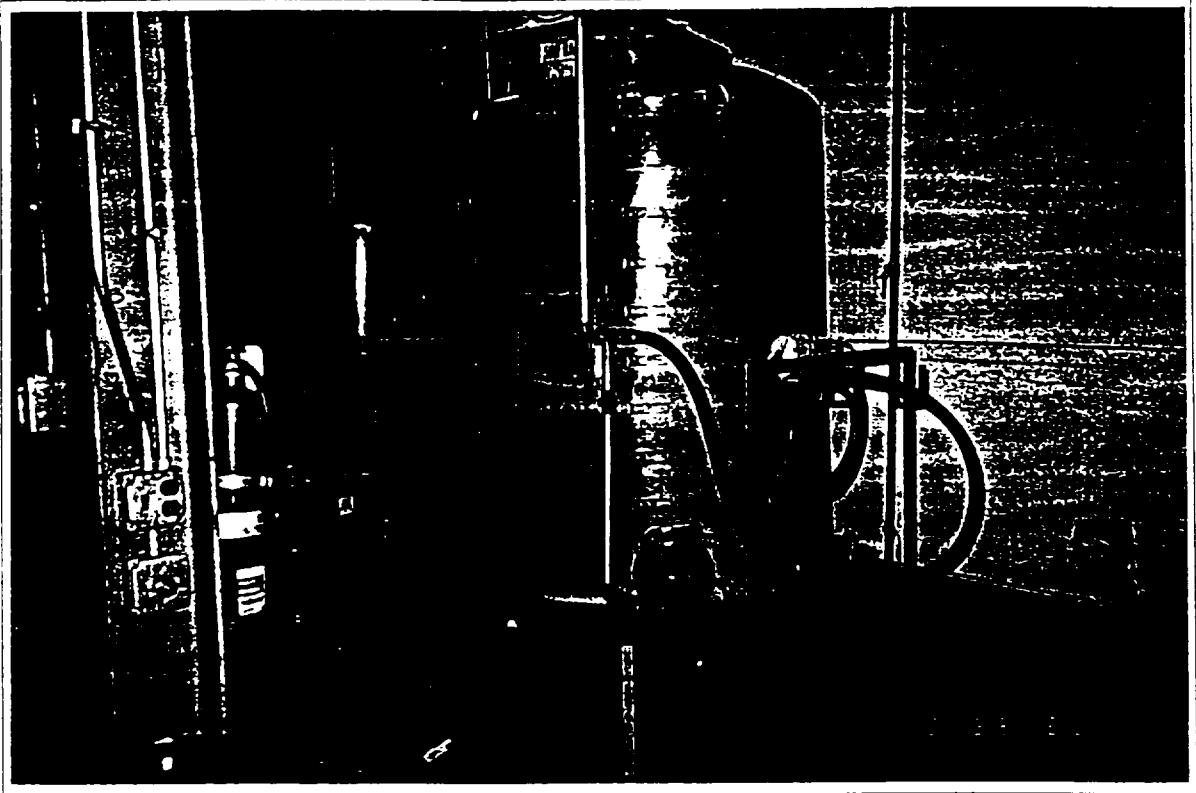


Photograph 29 Storage area inside factory

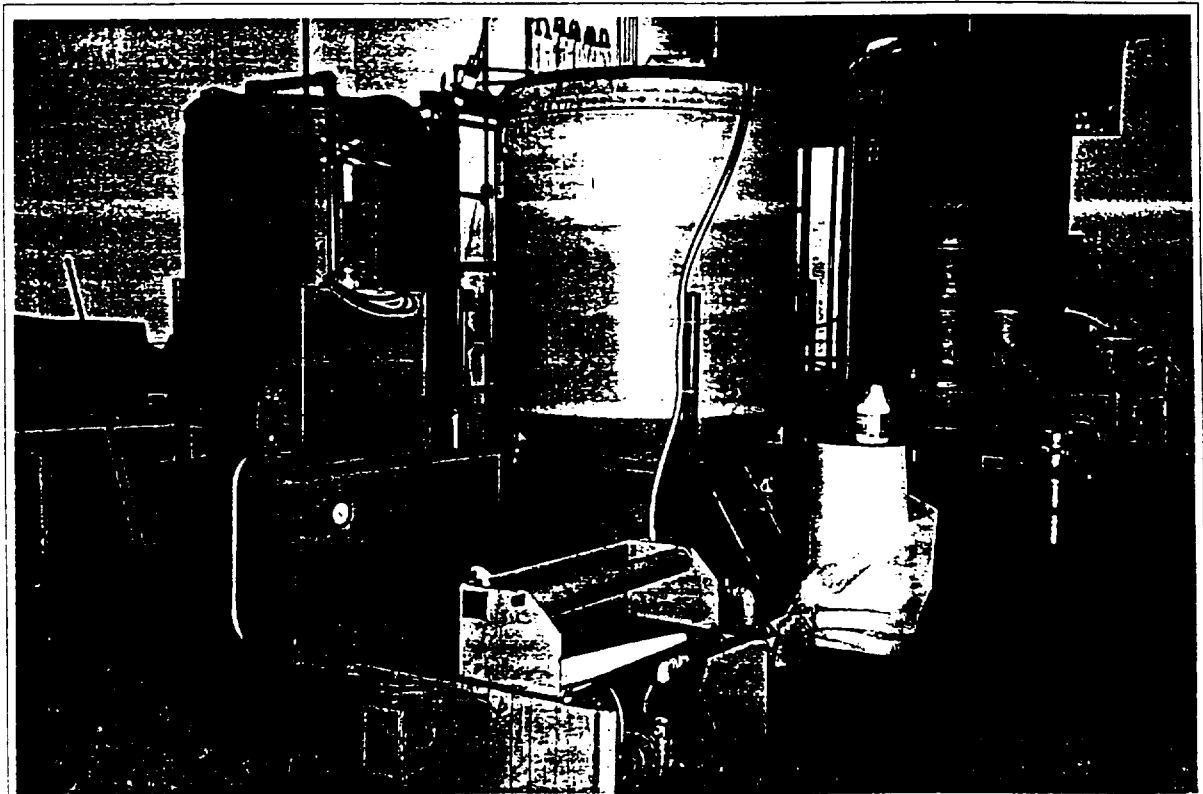


Photograph 30 Billets for use in manufacturing process

Dynagear, Inc  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512

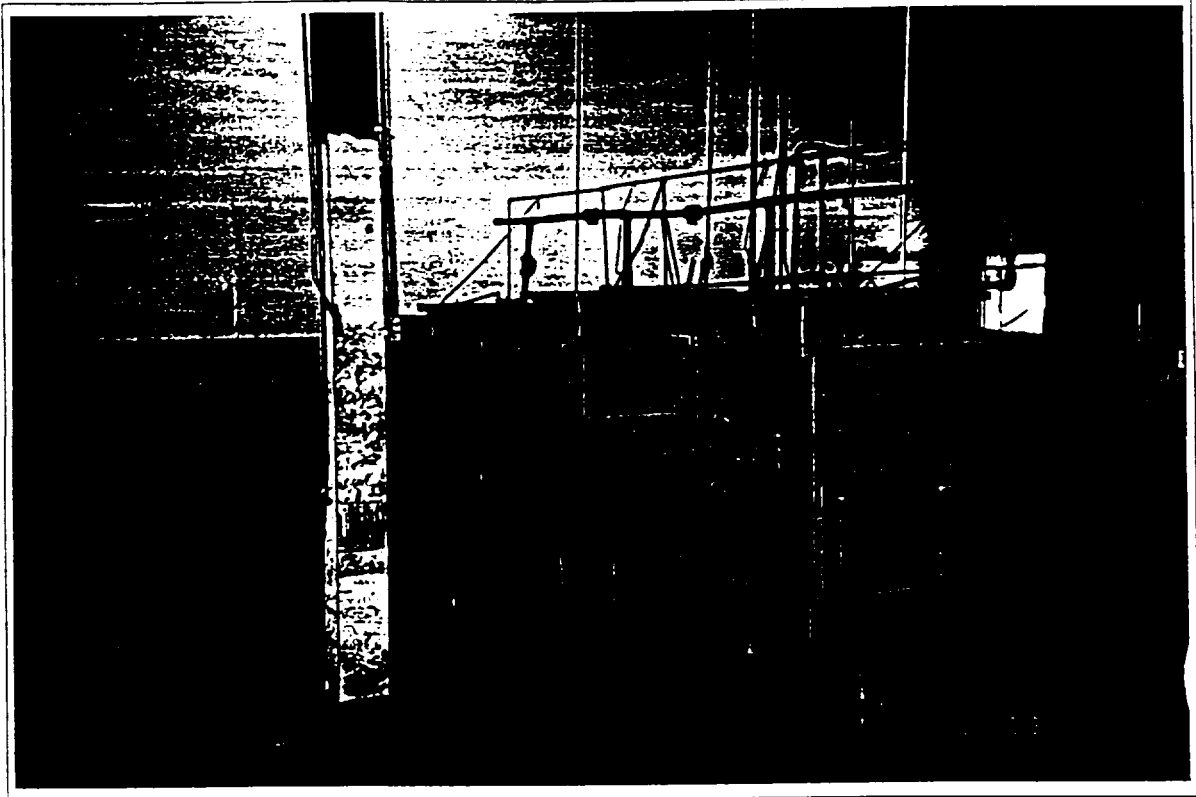


Photograph 31: Permanent process fluid supply tank



Photograph 32: Process cleaning system and paper filters to clean fluid

Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512

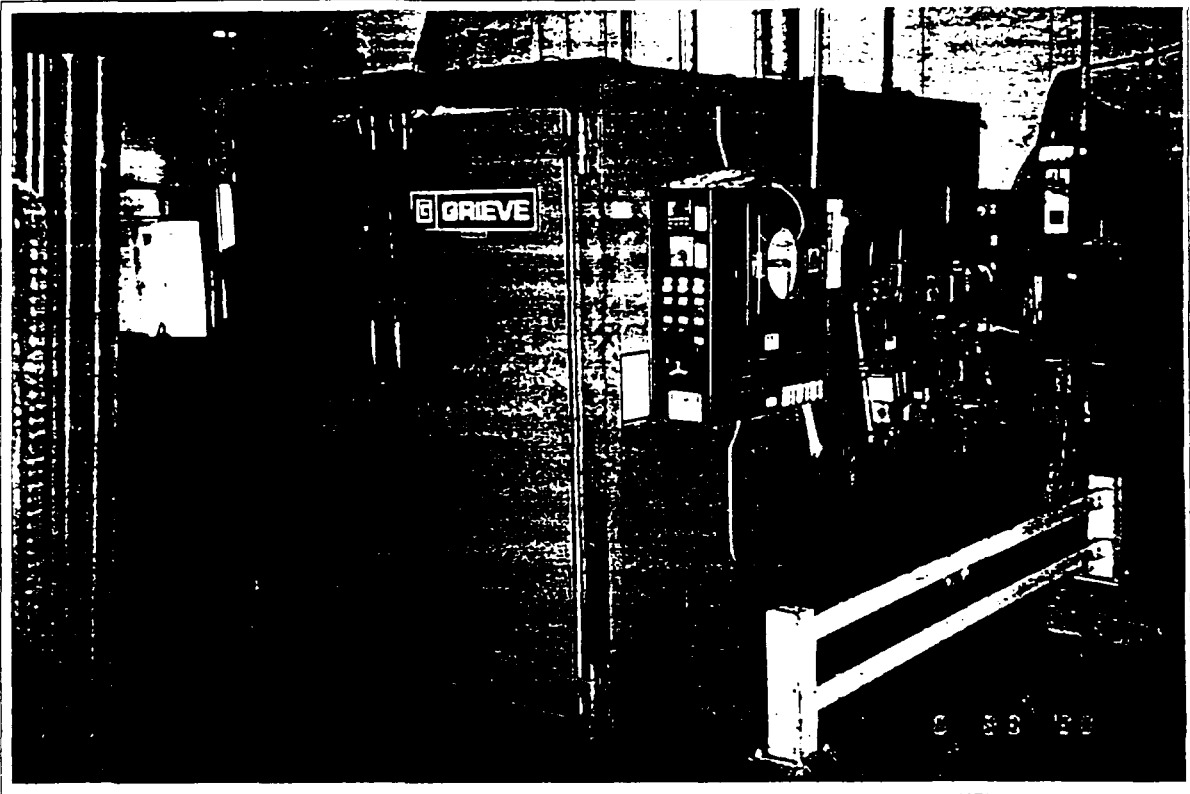


Photograph 33: Process parts cleaners

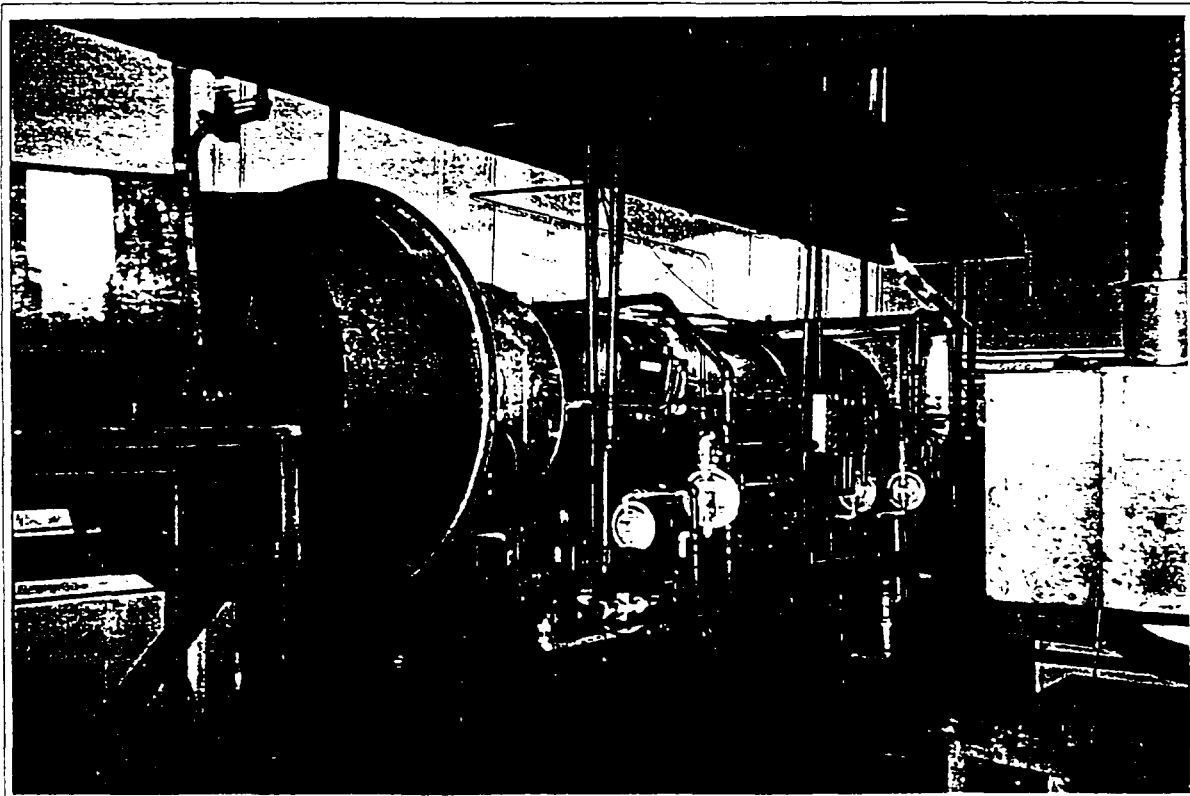


Photograph 34: Heat treating equipment showing gas flare

Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512

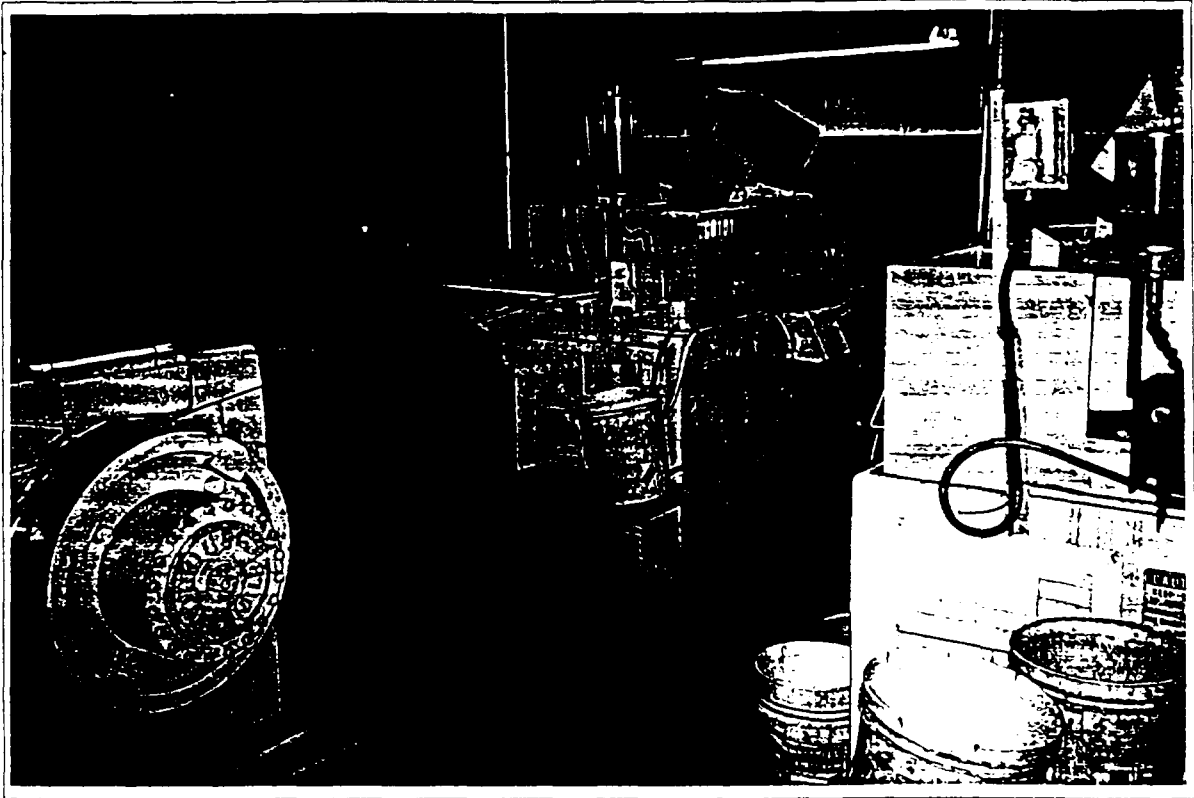


Photograph 35: Heat treating oven

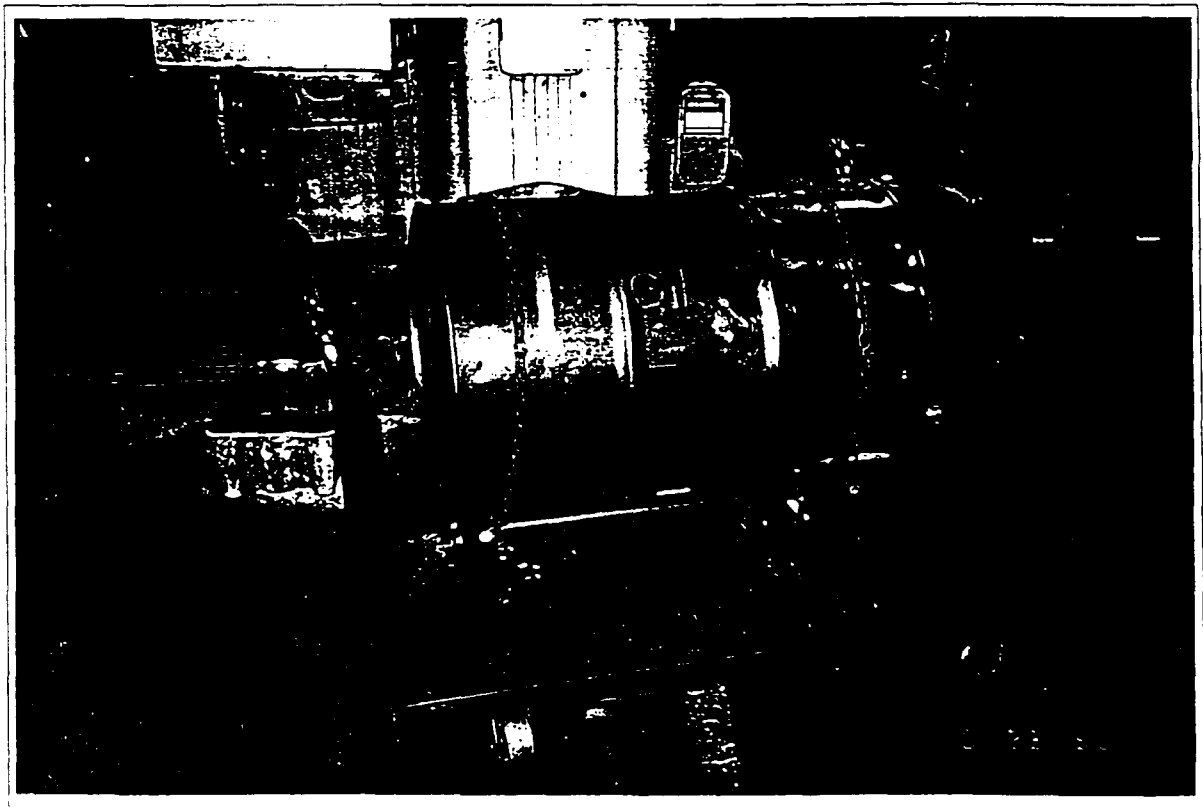


Photograph 36: Heat treating equipment showing gas flare

Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512

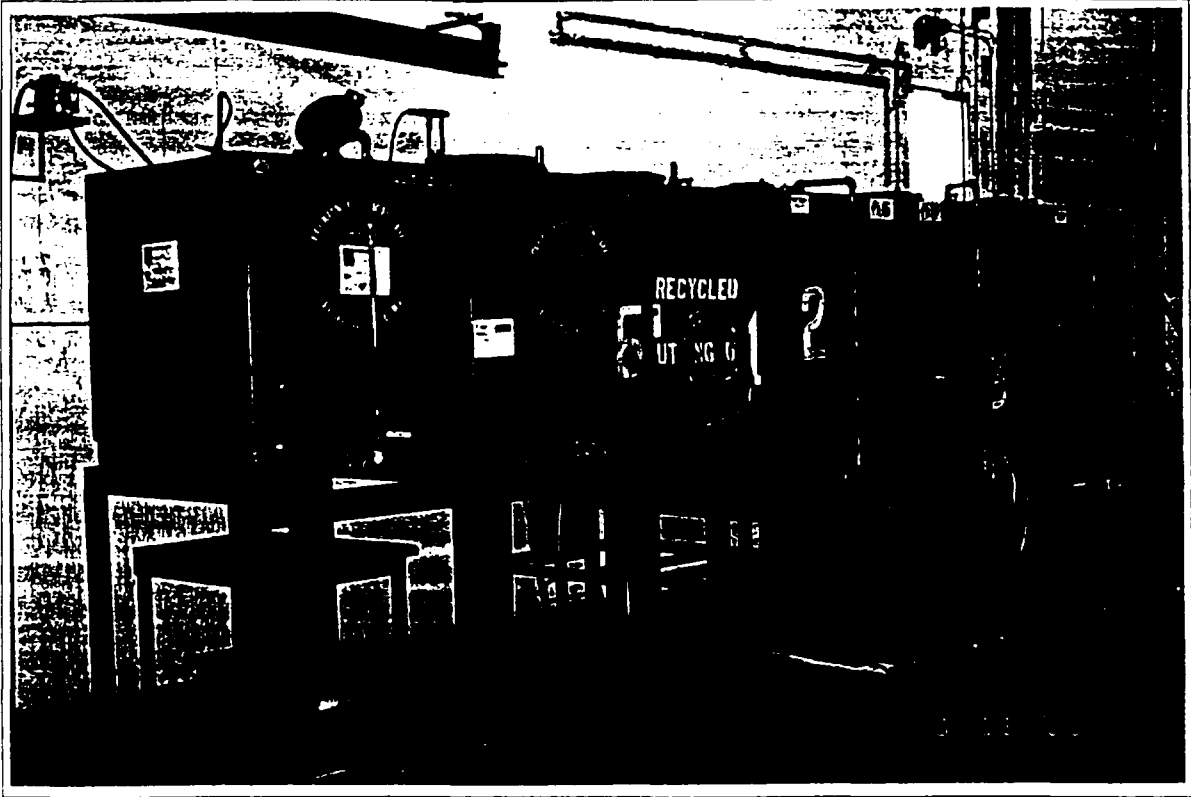


Photograph 37: Wire handling process equipment

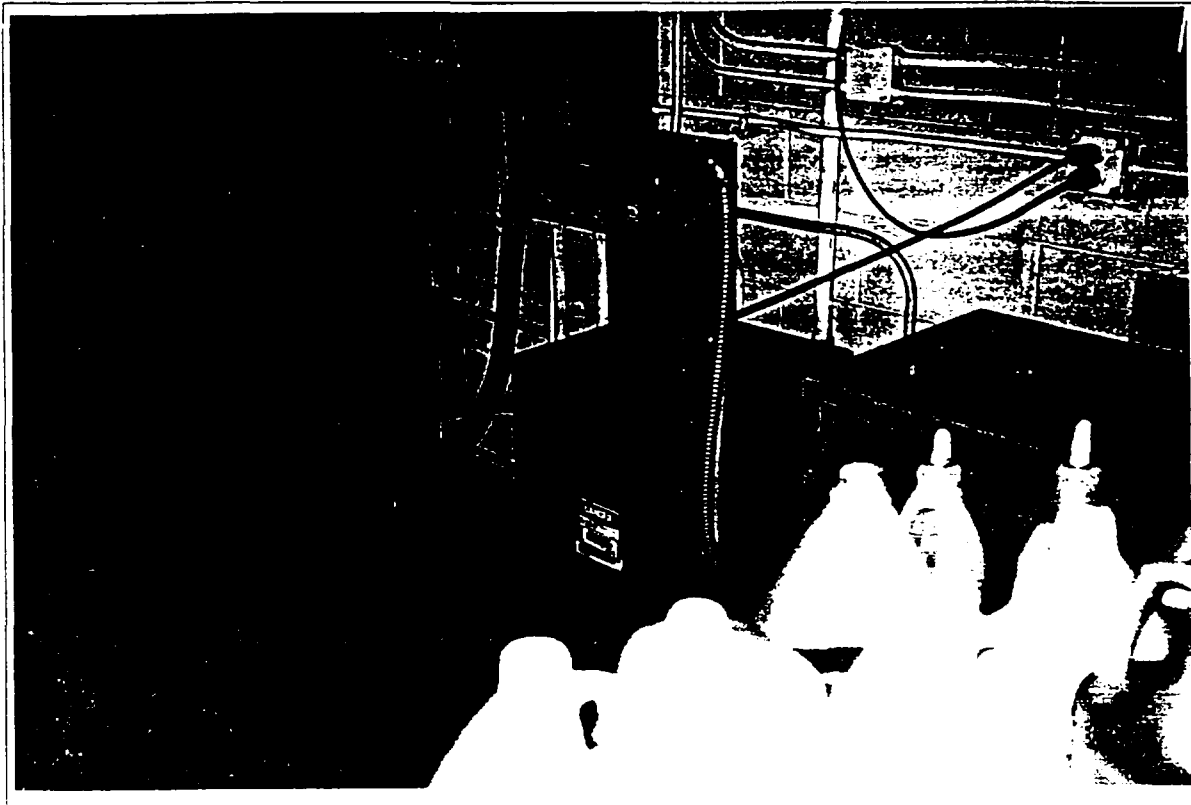


Photograph 38: Portable process fluid supply tank

Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512

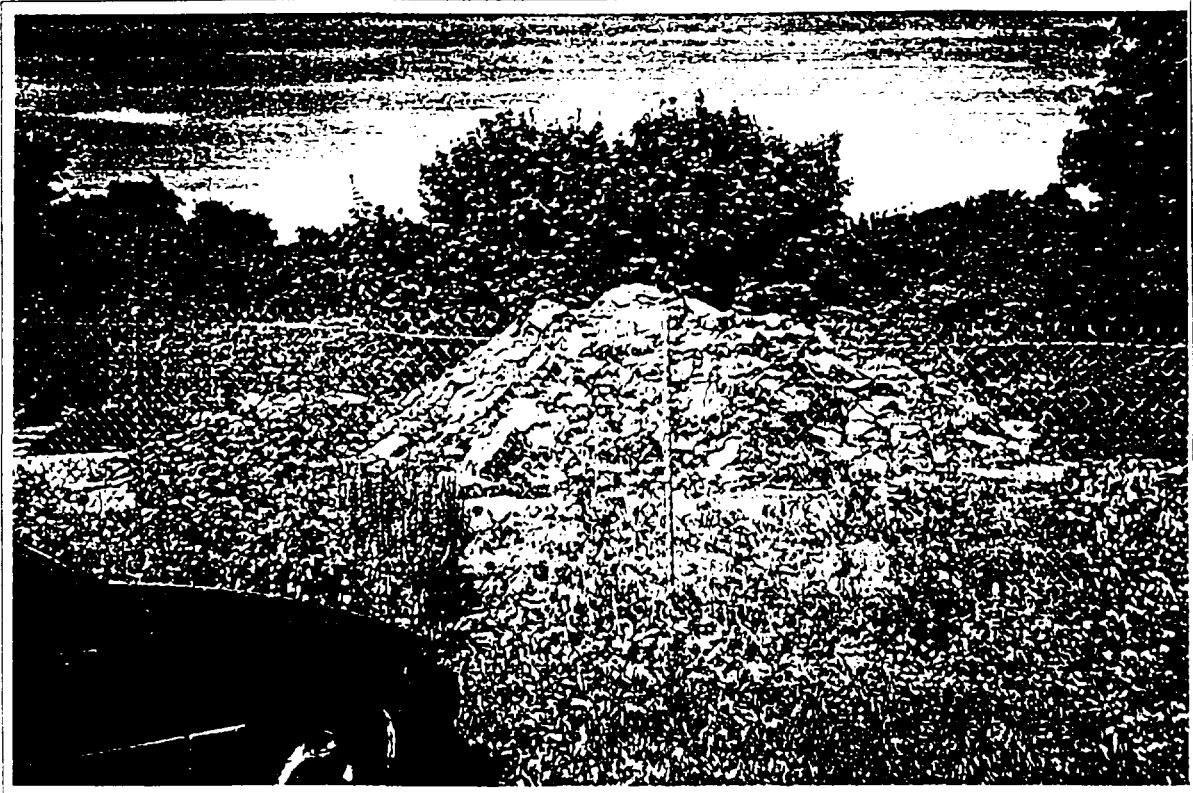


Photograph 39: Permanent process fluid dispensing tanks

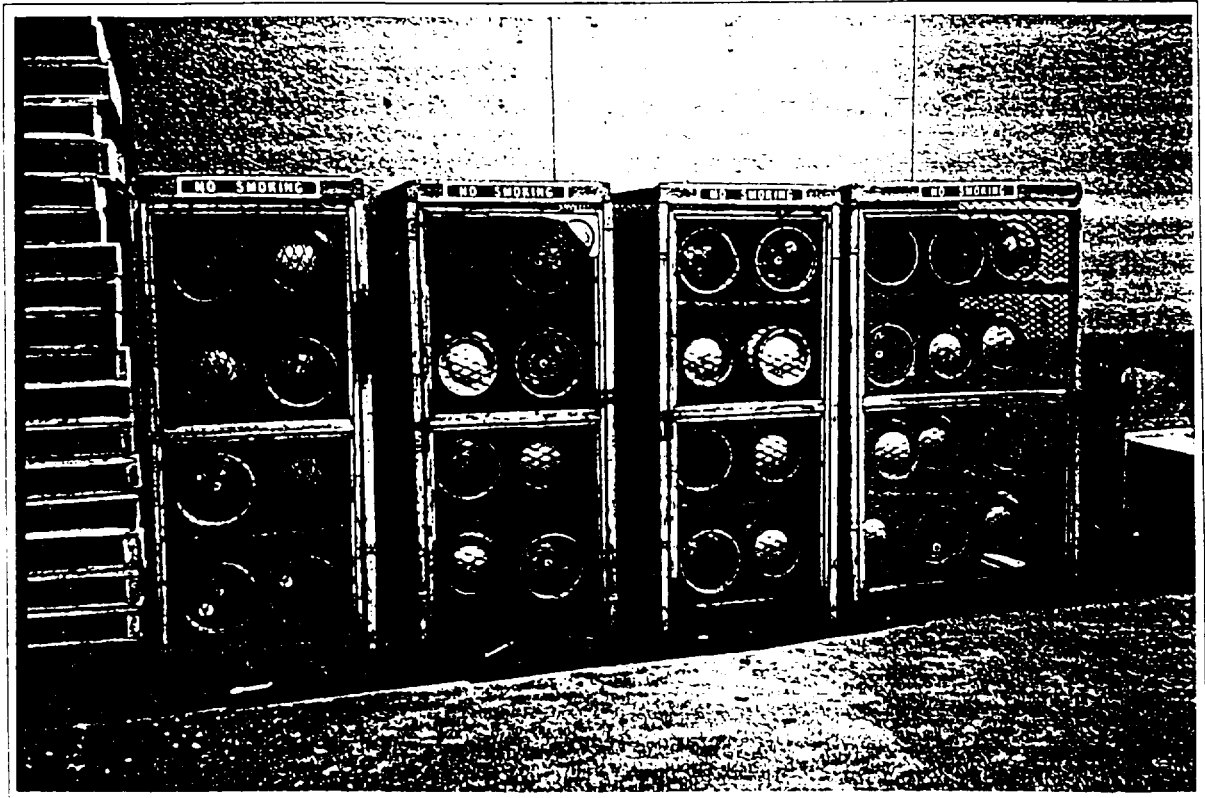


Photograph 40: Air cooled transformers inside factory

Dynagear, Inc  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental Inc. Job # 4512



Photograph 41: Recycled material at adjacent Downers Grove public works facility

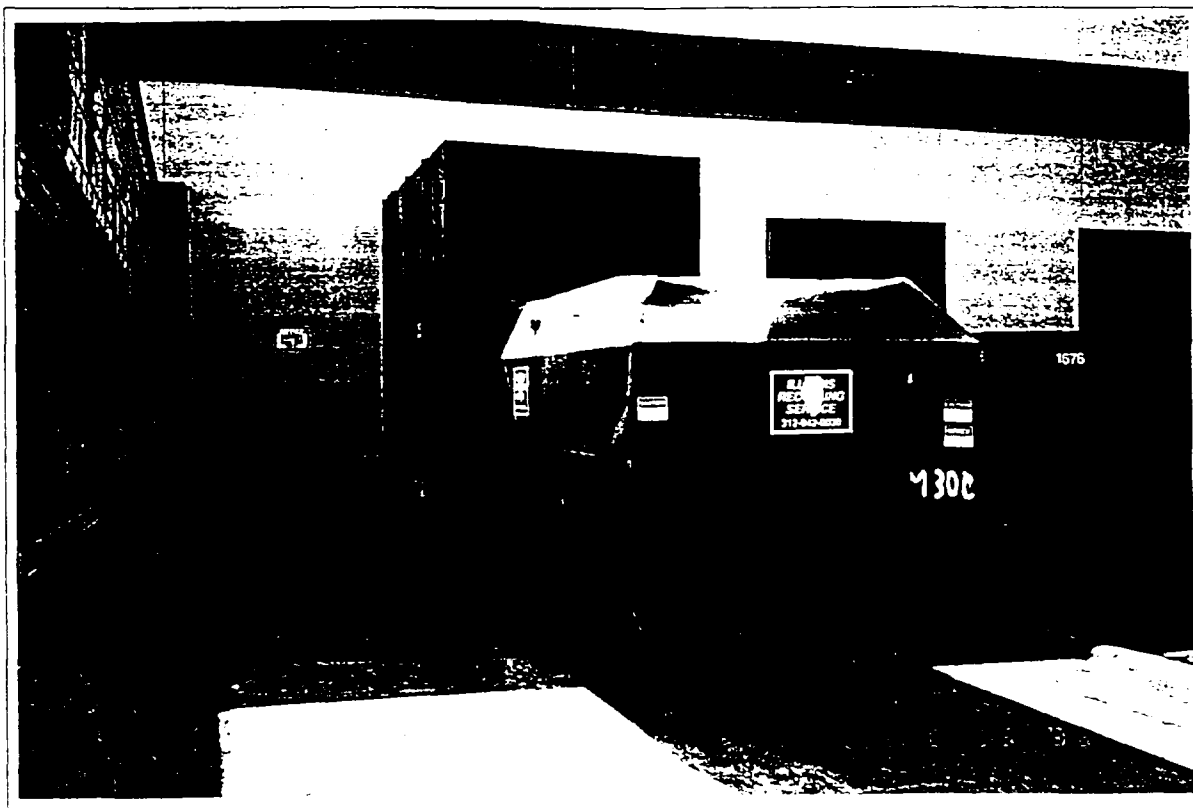


Photograph 42: Propane tanks stored outside factory

Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512



Photograph 43: Storage outside factory



Photograph 44: Compactor for collecting paper trash



Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512



Photograph 45: Illinois Recycling Service label



Photograph 46: Trash alongside St. Joseph Creek

Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512



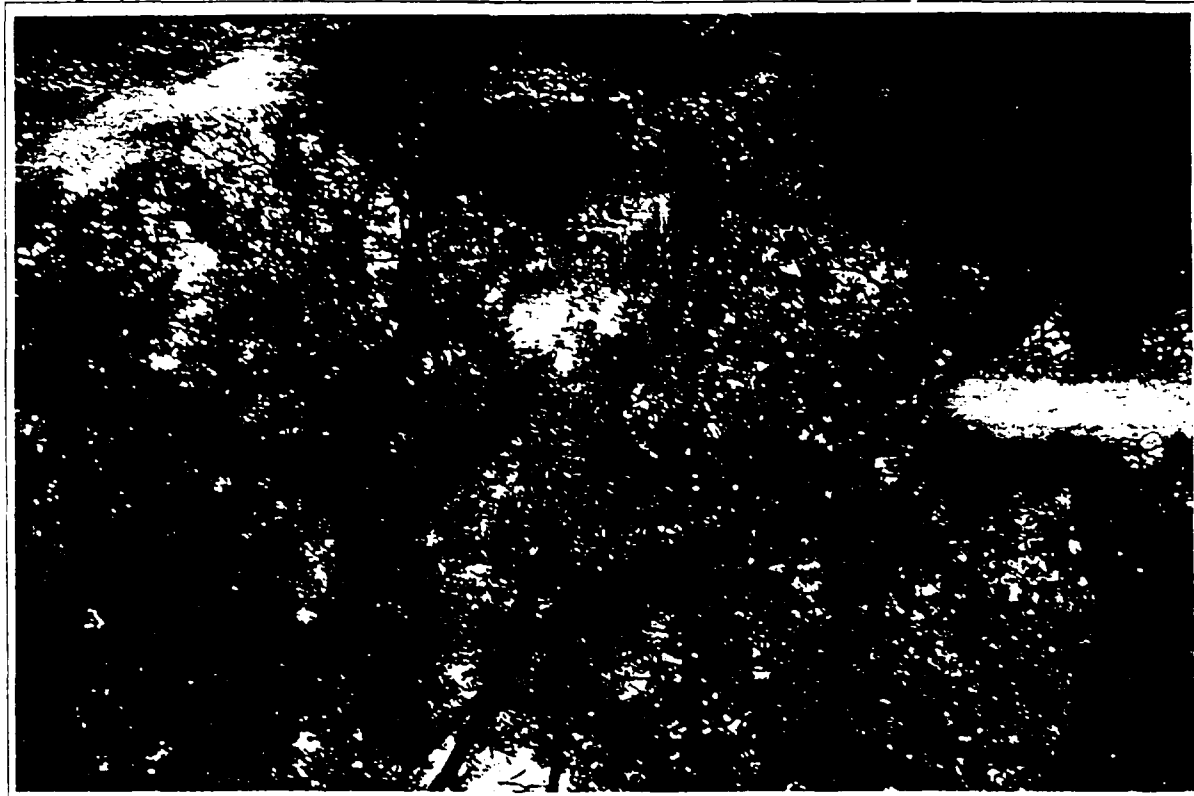
Photograph 47: Trash at edge of parking lot



Photograph 48: Trash alongside St. Joseph Creek

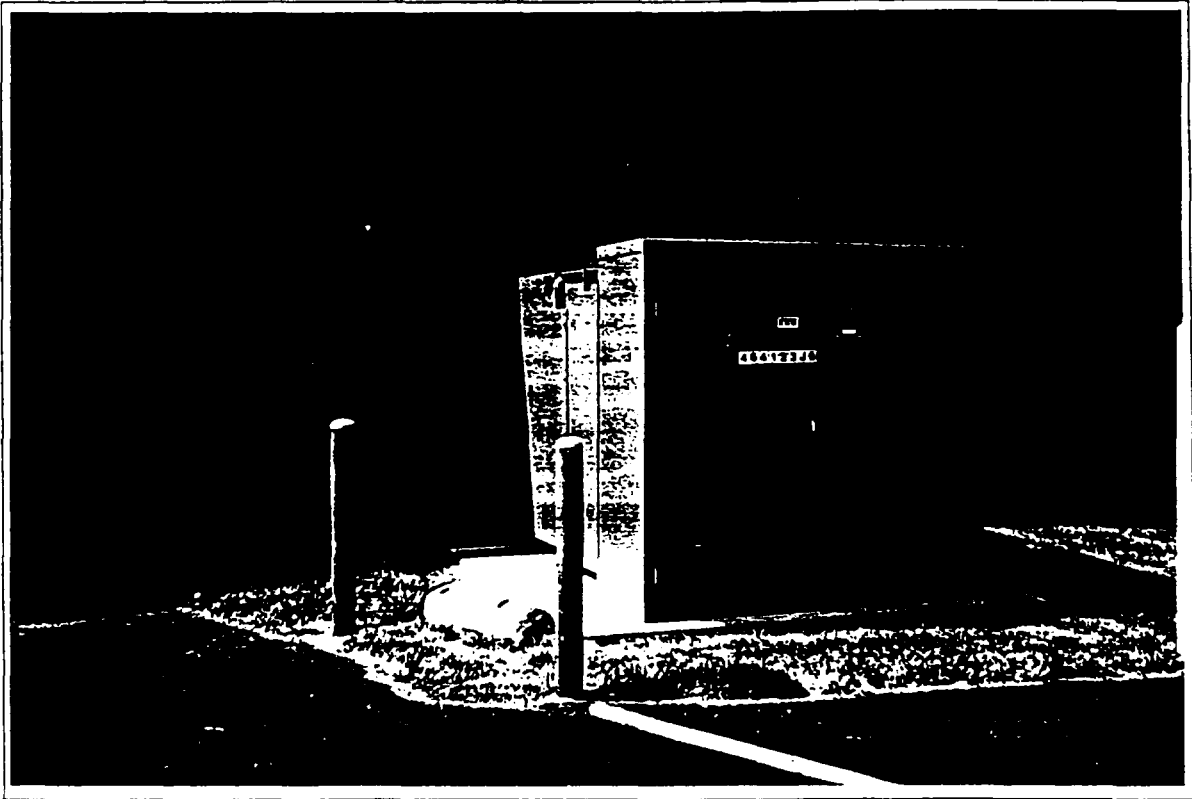


Photograph 49: View along St. Joseph Creek

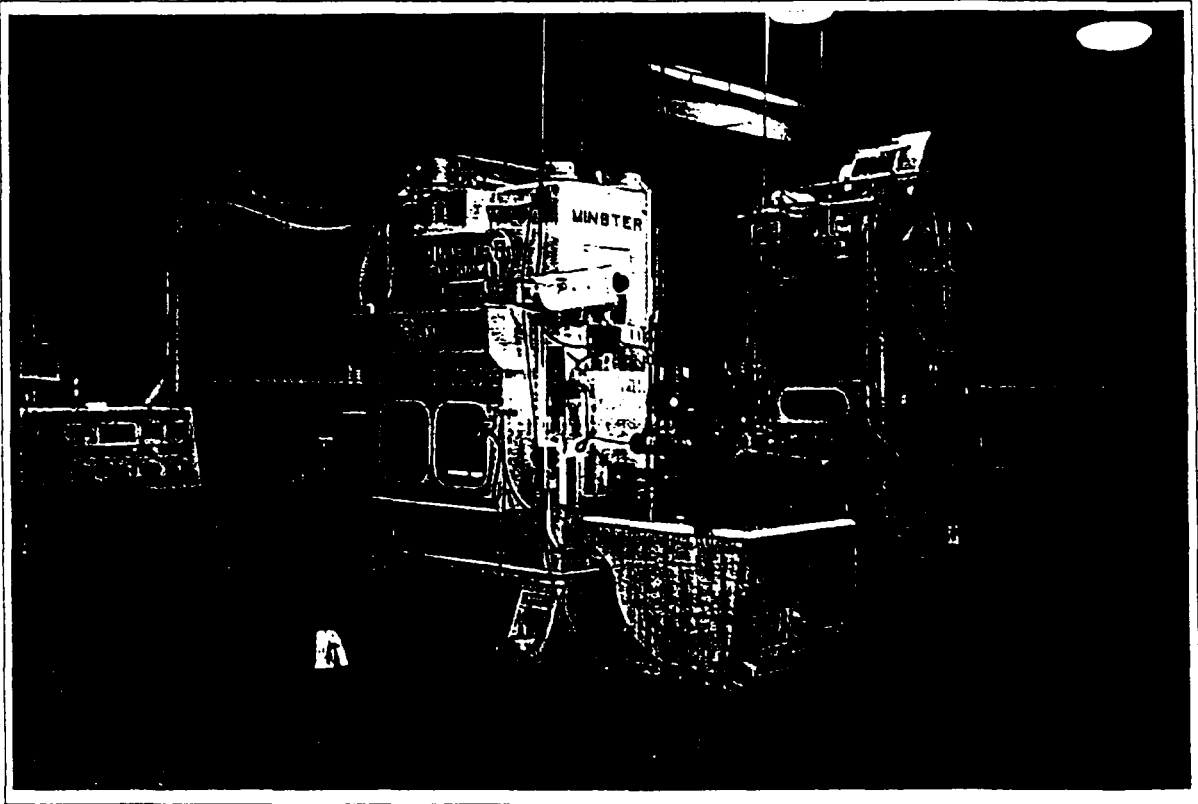


Photograph 50: View of water in St. Joseph Creek

Dynagear, Inc  
2500 Curtiss Street  
Downers Grove, Illinois 60515  
RERC Environmental, Inc. Job # 4512



Photograph 51: Pad mounted transformer outside Dynagear building



Photograph 52: Stamping equipment inside Dynagear building

**APPENDIX C**  
**PROPERTY HISTORY**

# **JNA Services Inc.**

**367 W. Irving Park Road #354**

**Wood Dale, Illinois 60191**

**Phone (630)350-8227      FAX (630)350-8297**

As required by an amendment to the Enviromental Protection Act 88-438 5 in Section 22.2 (j)(6)(E)(v)(1) effective August 20,1993, the following report is informational only and **DOES NOT** represent detailed examination of, or opinion to, the condition of title to the following described property. Any and all documents recorded after the assigned search date **ARE NOT** included.

The following report is hereby and certified that, to the best belief and knowledge of the undersigned, the information contained within the report set forth is true and accurate, and is deemed correct as of the date of its preparation.

Signed this 6 day of July, 1998

Hereby Certified

  
\_\_\_\_\_  
**Gregory Rentmeester**

**Dynager, Inc.  
2500 Curtiss St.  
Downers Grove, IL**

**PIN# : 08-12-300-009**

**LEGAL: THAT PART OF LOT 2 IN CHAIN BELT COMPANY'S ASSESSMENT PLAT OF PART OF SECTION 12, TOWNSHIP 38 NORTH, RANGE 10, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED SEPTEMBER 20, 1957 AS DOCUMENT 857024 IN THE RECORDER'S OFFICE OF DUPAGE COUNTY, ILLINOIS, DESCRIBED AS FOLLOWS: BEGINNING AT THE SOUTHWEST CORNER OF SAID LOT 2 AND RUNNING THENCE NORTH 02 DEGREES 51 MINUTES 07 SECONDS EAST ON THE WEST LINE OF SAID LOT 2 A DISTANCE OF 559.50 FEET; THENCE SOUTH 71 DEGREES 55 MINUTES 05 SECONDS EAST 738.40 FEET; THENCE SOUTH 66 DEGREES 00 MINUTES 00 SECONDS EAST 699.93 FEET; THENCE SOUTH TO A POINT IN THE SOUTH LINE OF SAID LOT 2 THAT IS 1371.64 FEET EAST OF THE POINT OF BEGINNING; THENCE WEST ON SAID SOUTH LINE 1371.64 FEET TO THE POINT OF BEGINNING, (EXCEPTING THEREFROM THAT PART OF THE WEST 50 FEET, AS MEASURED PARALLEL TO THE WEST LINE OF SAID LOT 2, LYING SOUTH OF THE NORTH LINE OF CURTISS STREET, AS DEDICATED BY DOCUMENT 855097), IN DUPAGE COUNTY, ILLINOIS.**

**GRANTOR(S): Dyna Gear c/o Green, Robert  
NBD Trust Co.**

**GRANTEE(S): Independent Order of Foresters  
DOC.#: R93-249358  
INST.: Subordination to Lease  
DOC. DATE: 10-01-1993  
REC. DATE: 11-01-1993**

**GRANTOR(S): Green, Robert L.  
GRANTEE(S): NBD Trust Co. - Illinois  
DOC.#: R93-249356  
INST.: Mortgage  
DOC. DATE: None Given  
REC. DATE: 11-01-1993**

**GRANTOR(S):** NBD Trust Co. - Illinois  
**GRANTEE(S):** Lake Shore National Bank  
**DOC.#:** R90-130048  
**INST.:** Mortgage  
**DOC. DATE:** None Given  
**REC. DATE:** 09-28-1990

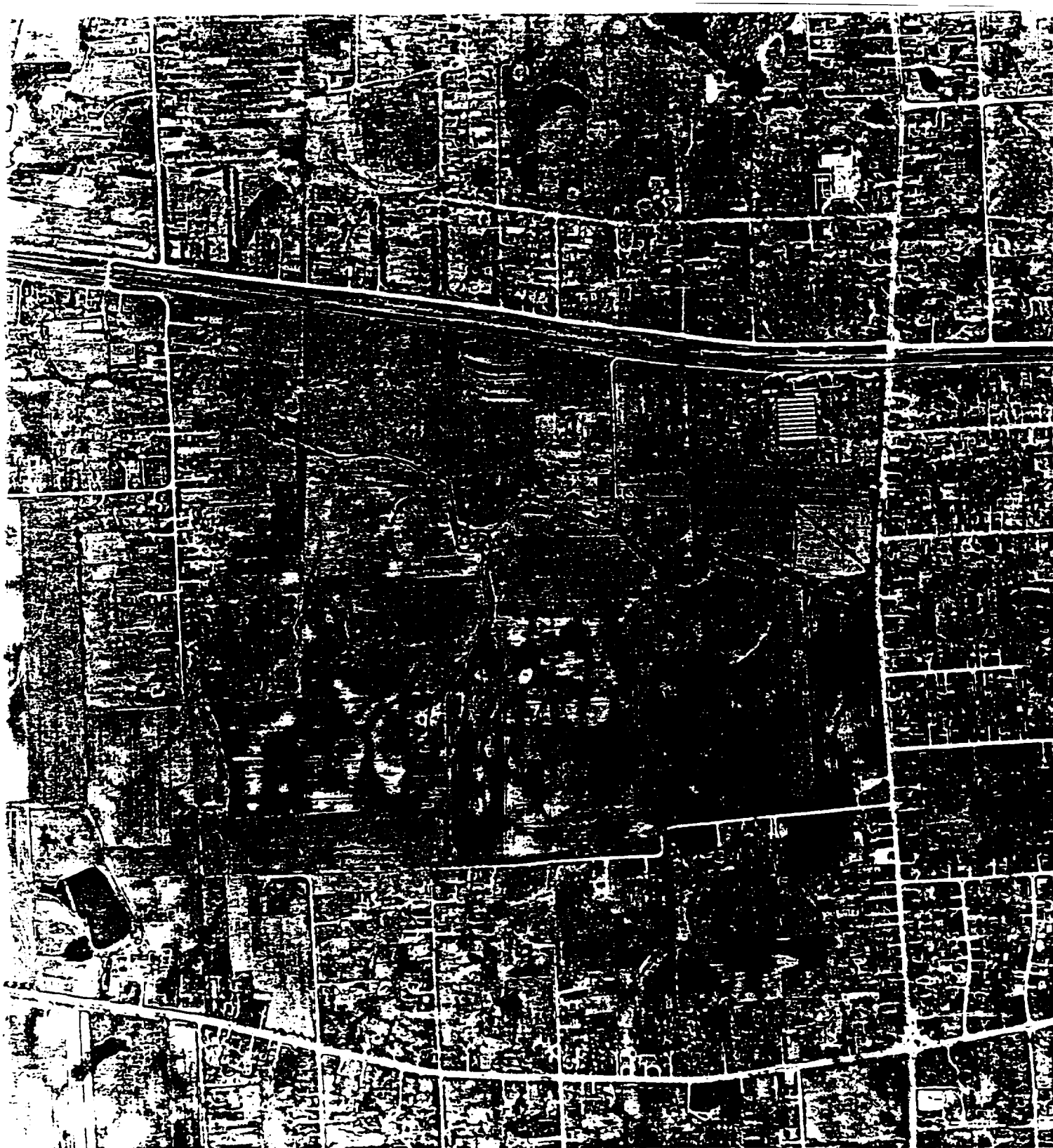
**GRANTOR(S):** Rexword Corp.  
**GRANTEE(S):** State National Bank #7720  
**DOC.#:** R86-108664  
**INST.:** Deed in Trust  
**DOC. DATE:** 08-19-1986  
**REC. DATE:** 09-10-1986

**GRANTOR(S):** Ellsworth, Rudolph C.  
**GRANTEE(S):** Chain Belt Co.  
**DOC.#:** 749393  
**INST.:** Deed  
**DOC. DATE:** 03-11-1955  
**REC. DATE:** 03-14-1955

No more entries to 1920.



APPENDIX D  
AERIAL PHOTOGRAPHS



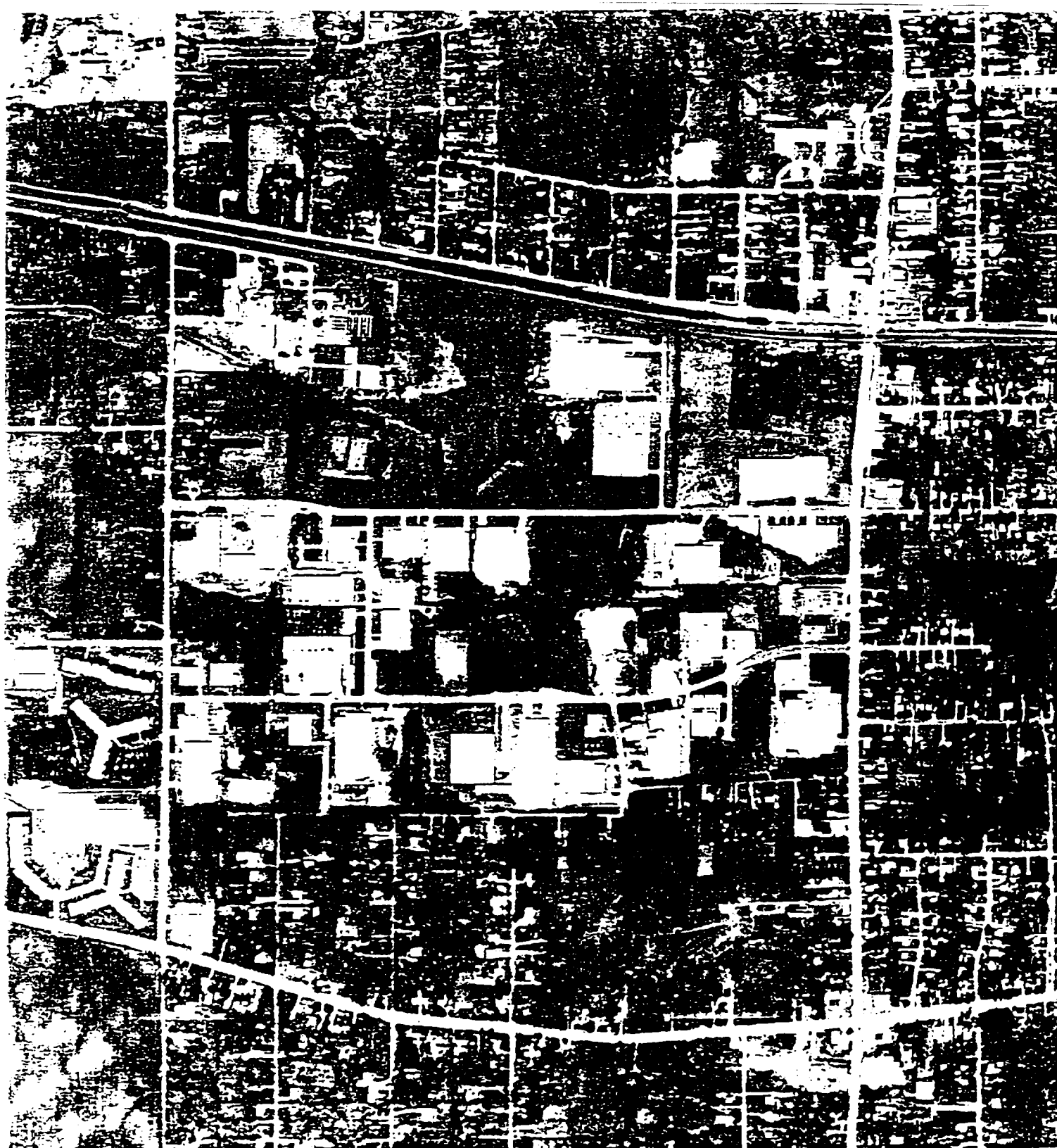
Client: RFC Environmental, Inc.  
Site Address: 2500 Campus Street  
City/Township: Dowdell, Ohio  
County/State: Cuyahoga, Ohio

USGS Quad: Wheaton 2441088-G1  
Scale: 1"=750' Originally flown at: 1"=1416'  
Project Number: 268140  
Date of Photography: April 19, 1952



Client: REI Environmental, Inc.  
Site Address: 25000 13th Street  
City/Township: Downers Grove  
County/State: Illinois

USGS Quad: Wheaton 2441088-G1  
Scale: 1"=750' Originally flown at: 1"=2000'  
Project Number: 268140  
Date of Photography: April 10, 1962



Client RTRC Environmental, Inc.  
Site Address 2500 Collins Street  
City/Township Dawson's Creek  
County/State Cook, Illinois

USGS Quad Wheaton 2441088-C11  
Scale 1"=750' Originally flown at 1"=3160'  
Project Number 268140  
Date of Photography May 14, 1971



Client: REF Environmental, Inc.  
 Site Address: 25000 Glass Street  
 City/Town/Ship: Danvers, MA  
 County/State: Cook, Illinois

USGS Quad: Wheaton 2441088-G1  
 Scale: 1"=750' Originally flown at: 1"=3333'  
 Project Number: 268140  
 Date of Photography: April 17, 1993

APPENDIX E  
ENVIRONMENTAL DATABASE

**The EDR-Radius Map  
with GeoCheck<sup>™</sup>**

**Dynagear, Inc.  
2500 Curtiss Street  
Downers Grove, IL 60515**

**Inquiry Number: 0266117.1r**

**June 25, 1998**

***The Source  
For Environmental  
Risk Management  
Data***

**3530 Post Road  
Southport, Connecticut 06490**

**Nationwide Customer Service**

**Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)**

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*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

### Disclaimer and Other Information

This Report contains information obtained from a variety of public and other sources and Environmental Data Resources, Inc. (EDR) makes no representation or warranty regarding the accuracy, reliability, quality, suitability, or completeness of said information or the information contained in this report. The customer shall assume full responsibility for the use of this report.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-97. Search distances are per ASTM standard or custom distances requested by the user.

The address of the subject property for which the search was intended is:

2500 CURTISS STREET  
DOWNERS GROVE, IL 60515

No mapped sites were found in EDR's search of available ( "reasonably ascertainable " ) government records either on the subject property or within the ASTM E 1527-97 search radius around the subject property for the following Databases:

NPL:	National Priority List
Delisted NPL:	NPL Deletions
RCRIS-TSD:	Resource Conservation and Recovery Information System
SHWS:	State Haz. Waste
CERCLIS:	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP:	Comprehensive Environmental Response, Compensation, and Liability Information System
SWF/LF:	Available Disposal for Solid Waste in Illinois- Solid Waste Landfills Subject to State Surcharge
RAATS:	RCRA Administrative Action Tracking System
HMIRS:	Hazardous Materials Information Reporting System
PADS:	PCB Activity Database System
ERNS:	Emergency Response Notification System
TRIS:	Toxic Chemical Release Inventory System
NPL Lien:	NPL Liens
TSCA:	Toxic Substances Control Act
MLTS:	Material Licensing Tracking System
Plan Comm:	Illinois Planning Comm.
ROD:	ROD
CONSENT:	Superfund (CERCLA) Consent Decrees
Coal Gas:	Former Manufactured gas (Coal Gas) Sites.

Unmapped (orphan) sites are not considered in the foregoing analysis.

### Search Results:

Search results for the subject property and the search radius, are listed below:

### Subject Property:

The subject property was identified in the following government records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
DYNAGEAR INC 2500 CURTISS ST DOWNERS GROVE, IL 60515	FINDS	ILD984840603

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

## PRINCIPAL MFG (Continued)

1000308414

## RCRIS:

Owner: BARNETT PAUL A  
(312) 555-1212

Contact: TERRY SLADE  
(312) 852-3322

Record Date: 08/03/89

Classification: Small Quantity Generator

Used Oil Recyc: No

Violation Status: No violations found

J30  
NE  
1/4-1/2  
Higher

SLAMPACKS UNION 76  
4947 BELMOUNT RD  
DOWNERS GROVE, IL 60515

RCRIS-SQG 1000614102  
FINDS ILD984844126  
LUST

## RCRIS:

Owner: SLAMPACKS UNION 76  
(708) 852-3733

Contact: JOE SLAMPACK  
(708) 852-3733

Record Date: 11/04/91

Classification: Small Quantity Generator

Used Oil Recyc: No

Violation Status: No violations found

## LUST:

Facility ID: 921361 IL EPA ID: 0430305157

J31  
NE  
1/4-1/2  
Higher

SLAMPAK ENTERPRISES  
4947 BELMONT RD  
DOWNERS GROVE, IL

LUST S102455790  
N/A

## LUST:

Facility ID: 962032 IL EPA ID: 0430305157

32  
WSW  
1/4-1/2  
Higher

BAKER MOTOR EXPRESS INC.  
5355 WALNUT AVE  
DOWNERS GROVE, IL

LUST S100531472  
N/A

## LUST:

Facility ID: 912371 IL EPA ID: 0430305152

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
DOWNERS GROVE	1001201848	C AND C MACHINE TOOL SERV INC	5024 CHASE RD	60515	RCRIS-SQG	

GEOTECHNICAL VERSION 2.1 ADDENDUM  
FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (Northern Quadrant)

**BASIC WELL DATA**

Site ID:	414935088012501	Distance from TP:	>2 Miles
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1971	County:	DuPage
Altitude:	730.00 ft.	State:	Illinois
Well Depth:	330.00 ft.	Topographic Setting:	Flat surface
Depth to Water Table:	80.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	09191921	Prim. Use of Water:	Public supply

**LITHOLOGIC DATA**

Not Reported

**WATER LEVEL VARIABILITY**

Water Level:	80.00 ft.	Water Level:	80.00 ft.	Water Level:	80.00 ft.	Water Level:	80.00 ft.
Date Measured:	09/29/71	Date Measured:	11/01/75	Date Measured:	09/29/71	Date Measured:	11/01/75

# FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (Eastern Quadrant)

## BASIC WELL DATA

Site ID:	414736088013901	Distance from TP:	1/2 - 1 Mile
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1928	County:	DuPage
Altitude:	700.00 ft.	State:	Illinois
Well Depth:	250.00 ft.	Topographic Setting:	Flat surface
Depth to Water Table:	40.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	12011928	Prim. Use of Water:	Public supply

## LITHOLOGIC DATA

Not Reported

## WATER LEVEL VARIABILITY

Water Level: 40.00 ft.	Water Level: 47.00 ft.	Water Level: 46.20 ft.	Water Level: 45.00 ft.
Date Measured: 12/01/28	Date Measured: 12/09/40	Date Measured: 03/07/47	Date Measured: 06/01/50
Water Level: 38.00 ft.	Water Level: 43.00 ft.	Water Level: 45.00 ft.	Water Level: 41.00 ft.
Date Measured: 11/01/61	Date Measured: 11/01/62	Date Measured: 11/01/64	Date Measured: 11/01/65
Water Level: 45.00 ft.	Water Level: 67.00 ft.	Water Level: 58.00 ft.	Water Level: 60.00 ft.
Date Measured: 01/01/67	Date Measured: 11/01/71	Date Measured: 01/01/77	Date Measured: 09/06/79
Water Level: 40.00 ft.	Water Level: 47.00 ft.	Water Level: 46.20 ft.	Water Level: 45.00 ft.
Date Measured: 12/01/28	Date Measured: 12/09/40	Date Measured: 03/07/47	Date Measured: 06/01/50
Water Level: 38.00 ft.	Water Level: 43.00 ft.	Water Level: 45.00 ft.	Water Level: 41.00 ft.
Date Measured: 11/01/61	Date Measured: 11/01/62	Date Measured: 11/01/64	Date Measured: 11/01/65
Water Level: 45.00 ft.	Water Level: 67.00 ft.	Water Level: 58.00 ft.	Water Level: 60.00 ft.
Date Measured: 01/01/67	Date Measured: 11/01/71	Date Measured: 01/01/77	Date Measured: 09/06/79

# FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (Southern Quadrant)

## BASIC WELL DATA

Site ID:	414622088013601	Distance from TP:	1 - 2 Miles
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1968	County:	DuPage
Altitude:	735.00 ft.	State:	Illinois
Well Depth:	332.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	93.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	10011968	Prim. Use of Water:	Public supply

## LITHOLOGIC DATA

Not Reported

## WATER LEVEL VARIABILITY

Water Level:	93.00 ft.	Water Level:	98.00 ft.	Water Level:	103.00 ft.	Water Level:	98.00 ft.
Date Measured:	10/01/68	Date Measured:	11/01/71	Date Measured:	01/01/77	Date Measured:	09/06/79
Water Level:	93.00 ft.	Water Level:	98.00 ft.	Water Level:	103.00 ft.	Water Level:	98.00 ft.
Date Measured:	10/01/68	Date Measured:	11/01/71	Date Measured:	01/01/77	Date Measured:	09/06/79

# FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (Western Quadrant)

## BASIC WELL DATA

Site ID:	414727088040501	Distance from TP:	1 - 2 Miles
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1957	County:	DuPage
Altitude:	740.00 ft.	State:	Illinois
Well Depth:	200.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	94.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	05071957	Prim. Use of Water:	Public supply

## LITHOLOGIC DATA

Not Reported

## WATER LEVEL VARIABILITY

Water Level: 94.00 ft.	Water Level: 115.00 ft.	Water Level: 94.00 ft.	Water Level: 102.00 ft.
Date Measured: 05/07/57	Date Measured: 10/01/57	Date Measured: 04/04/58	Date Measured: 10/01/59
Water Level: 96.00 ft.	Water Level: 96.00 ft.	Water Level: 93.00 ft.	Water Level: 93.00 ft.
Date Measured: 10/01/62	Date Measured: 10/01/64	Date Measured: 10/01/65	Date Measured: 03/13/67
Water Level: 93.00 ft.	Water Level: 97.00 ft.	Water Level: 93.50 ft.	Water Level: 90.00 ft.
Date Measured: 05/01/69	Date Measured: 11/01/71	Date Measured: 02/06/75	Date Measured: 01/01/77
Water Level: 95.00 ft.	Water Level: 99.00 ft.	Water Level: 94.00 ft.	Water Level: 115.00 ft.
Date Measured: 08/03/78	Date Measured: 09/06/79	Date Measured: 05/07/57	Date Measured: 10/01/57
Water Level: 94.00 ft.	Water Level: 102.00 ft.	Water Level: 96.00 ft.	Water Level: 96.00 ft.
Date Measured: 04/04/58	Date Measured: 10/01/59	Date Measured: 10/01/62	Date Measured: 10/01/64
Water Level: 93.00 ft.	Water Level: 93.00 ft.	Water Level: 93.00 ft.	Water Level: 97.00 ft.
Date Measured: 10/01/65	Date Measured: 03/13/67	Date Measured: 05/01/69	Date Measured: 11/01/71
Water Level: 93.50 ft.	Water Level: 90.00 ft.	Water Level: 95.00 ft.	Water Level: 99.00 ft.
Date Measured: 02/06/75	Date Measured: 01/01/77	Date Measured: 08/03/78	Date Measured: 09/06/79

# STATE DATABASE WELL INFORMATION

## Water Wells Information:

### Well Within 1/8 - 1/4 Mile of Target Property (Northern Quadrant)

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120432362400	Boring:	0
Well Type:	WATER	Y Coord:	3192182
X Coord:	3395760		

### Well Within 1/8 - 1/4 Mile of Target Property (Eastern Quadrant)

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120432909000	Boring:	0
Well Type:	WATER	Y Coord:	3191553
X Coord:	3396450		

### Well Within 1/4 - 1/2 Mile of Target Property (Southern Quadrant)

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120430012100	Boring:	0
Well Type:	WATER	Y Coord:	3189857
X Coord:	3395542		

### Well Within 1/8 - 1/4 Mile of Target Property (Western Quadrant)

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120430076300	Boring:	0
Well Type:	WATER	Y Coord:	3191021
X Coord:	3394627		



# PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest PWS.

## PWS SUMMARY:

PWS ID:	IL0430300	PWS Status:	Active	Distance from TP:	1/8 - 1/4 Mile
Date Initiated:	January / 1994	Date Deactivated:	Not Reported	Dir relative to TP:	West
PWS Name:	DOWNERS GROVE DOWNERS GROVE, IL 60516				

Addressee / Facility: Not Reported

Facility Latitude:	41 45 30	Facility Longitude:	088 01 50
Facility Latitude:	41 45 58	Facility Longitude:	088 00 25
Facility Latitude:	41 46 20	Facility Longitude:	088 01 42
Facility Latitude:	41 47 24	Facility Longitude:	088 02 50
Facility Latitude:	41 48 20	Facility Longitude:	088 01 35
Facility Latitude:	41 49 42	Facility Longitude:	088 01 30
City Served:	DOWNERS GROVE		
Treatment Class:	Treated	Population Served:	10,001 - 50,000 Persons

PWS currently has or has had major violation(s): Yes

Violations information not reported.

## ENFORCEMENT INFORMATION:

Violation Type:	Monitoring, Repeat Minor (TCR)		
Compliance Period:	10/01/94 - 10/31/94		
Contaminant:	COLIFORM (TCR)		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported

## EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D003	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BE WASTE GUNPOWDER.
D004	ARSENIC
D006	CADMIUM
D007	CHROMIUM
F001	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F006	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
F007	SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
F008	PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Elapsed ASTM days:** Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

#### FEDERAL ASTM RECORDS:

##### **CERCLIS:** Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA/NTIS

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/31/97

Date Made Active at EDR: 04/13/98

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 02/17/98

Elapsed ASTM days: 55

Date of Last EDR Contact: 05/22/98

##### **ERNS:** Emergency Response Notification System

Source: EPA/NTIS

Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/30/97

Date Made Active at EDR: 01/02/98

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/04/97

Elapsed ASTM days: 29

Date of Last EDR Contact: 03/05/98

##### **NPL:** National Priority List

Source: EPA

Telephone: 703-603-8852

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC).

Date of Government Version: 09/25/97

Date Made Active at EDR: 11/28/97

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 09/26/97

Elapsed ASTM days: 63

Date of Last EDR Contact: 02/06/98

##### **RCRIS:** Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 01/01/98

Date Made Active at EDR: 04/13/98

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/17/98

Elapsed ASTM days: 55

Date of Last EDR Contact: 06/05/98

##### **CORRACTS:** Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/15/97

Date Made Active at EDR: 02/02/98

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 01/05/98

Elapsed ASTM days: 28

Date of Last EDR Contact: 05/06/98

## FEDERAL NON-ASTM RECORDS:

### BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/95  
Database Release Frequency: Biennially

Date of Last EDR Contact: 03/24/98  
Date of Next Scheduled EDR Contact: 06/22/98

### CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: Varies  
Database Release Frequency: Varies

Date of Last EDR Contact: Varies  
Date of Next Scheduled EDR Contact: N/A

### FINDS: Facility Index System

Source: EPA/NTIS

Telephone: 703-908-2493

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/01/97  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/26/98  
Date of Next Scheduled EDR Contact: 06/22/98

### HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4526

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/96  
Database Release Frequency: Annually

Date of Last EDR Contact: 03/31/98  
Date of Next Scheduled EDR Contact: 07/27/98

### MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/30/98  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/13/98  
Date of Next Scheduled EDR Contact: 07/13/98

### NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 205-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/26/98  
Date of Next Scheduled EDR Contact: 08/24/98

**PADS: PCB Activity Database System**

Source: EPA

Telephone: 202-260-3936

PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/22/97

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/05/98

Date of Next Scheduled EDR Contact: 08/17/98

**RAATS: RCRA Administrative Action Tracking System**

Source: EPA

Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/15/98

Date of Next Scheduled EDR Contact: 09/14/98

**ROD: Records Of Decision**

Source: NTIS

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/31/95

Database Release Frequency: Annually

Date of Last EDR Contact: 05/22/98

Date of Next Scheduled EDR Contact: 08/31/98

**TRIS: Toxic Chemical Release Inventory System**

Source: EPA/NTIS

Telephone: 202-260-1531

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/95

Database Release Frequency: Annually

Date of Last EDR Contact: 06/11/98

Date of Next Scheduled EDR Contact: 06/29/98

**TSCA: Toxic Substances Control Act**

Source: EPA/NTIS

Telephone: 202-260-1444

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site. USEPA has no current plan to update and/or re-issue this database.

Date of Government Version: 12/31/94

Database Release Frequency: Annually

Date of Last EDR Contact: 04/27/98

Date of Next Scheduled EDR Contact: 07/27/98

#### STATE OF ILLINOIS ASTM RECORDS:

##### LUST: Leaking Underground Storage Tank Sites

Source: Illinois Environmental Protection Agency

Telephone: 217-782-6760

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 01/01/98

Date Made Active at EDR: 05/01/98

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 04/07/98

Elapsed ASTM days: 24

Date of Last EDR Contact: 06/01/98

##### SHWS: Category List

Source: Illinois Environmental Protection Agency

Telephone: 217-524-4863

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 06/01/97

Date Made Active at EDR: 08/14/97

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 07/07/97

Elapsed ASTM days: 38

Date of Last EDR Contact: 05/29/98

##### LF: Available Disposal for Solid Waste in Illinois - Solid Waste Landfills Subject to State Surcharge

Source: Illinois Environmental Protection Agency

Telephone: 217-785-8604

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/01/97

Date Made Active at EDR: 07/09/97

Database Release Frequency: Annually

Date of Data Arrival at EDR: 06/02/97

Elapsed ASTM days: 37

Date of Last EDR Contact: 06/01/98

##### UST: STC (State, Town, County) Facility List

Source: Illinois State Fire Marshal

Telephone: 217-785-0969

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 08/04/97

Date Made Active at EDR: 10/31/97

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 10/02/97

Elapsed ASTM days: 29

Date of Last EDR Contact: 04/28/98

#### STATE OF ILLINOIS NON-ASTM RECORDS:

##### NIPC: Solid Waste Landfill Inventory

Source: Northeastern Illinois Planning Commission

Telephone: 312-454-0400

Solid Waste Landfill Inventory. NIPC is an inventory of active and inactive solid waste disposal sites, based on state, local government and historical archive data. Included are numerous sites which previously had never been identified largely because there was no obligation to register such sites prior to 1971.

Date of Government Version: 08/01/88

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/11/97

Date of Next Scheduled EDR Contact: N/A

**Area Radon Information:** The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

**Oil/Gas Pipelines/Electrical Transmission Lines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines and electrical transmission lines.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

**USGS Water Wells:** In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 900,000 wells, springs, and other sources of groundwater.

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1996 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in March 1997 from the U.S. Fish and Wildlife Service.

**Epicenters:** World earthquake epicenters, Richter 5 or greater  
Source: Department of Commerce, National Oceanic and Atmospheric Administration

**Water Dams:** National Inventory of Dams  
Source: Federal Emergency Management Agency  
Telephone: 202-646-2801  
National computer database of more than 74,000 dams maintained by the Federal Emergency Management Agency.

**County Well Data in Illinois:** Cook and DuPage Counties  
Source: Illinois State Geological Survey  
Telephone: 217-244-2387

**Illinois Private Well Database and PICS (Public, Industrial, Commercial Survey)**  
Source: Illinois State Water Survey  
Telephone: 217-333-9043

**Illinois State Geological Survey Water Wells**  
Source: Illinois State Geological Survey  
Telephone: 217-333-5102  
Point data set that shows locations, well type, and well ID for wells in Illinois. Data comes from driller's logs.

APPENDIX F  
HAZARDOUS AND PETROLEUM PRODUCTS IN USE



**Dynagear, Inc.**  
**List of Hazardous and Petroleum Products in Use**

Name of Product	Type or use of Product	Hazard
ZEP VETO	Dilute mixture of acids and ethanol	Acute and chronic effects to humans exposed in the workplace
ZEP TKO	Dilute alpha olefin sulfonate sodium salt and ethanol	Skin and eye irritant. Not hazardous waste according to RCRA
ZEP REACH	Low odor paraffinic solvent and ethanol	Lung and eye irritant. Not hazardous waste according to RCRA
ZEP METER MIST CINNAMON	Low odor paraffinic solvent, ethanol, alcohol, and propane	Lung, skin and eye irritant. Hazardous waste not specified.
ZEP O BRITE	Chlorinated trisodium phosphate, felspar, and crystalline silica-quartz	Lung, skin and eye irritant. Not hazardous waste according to RCRA
ZEP Formula 7961	Phosphoric acid and ethanol	Corrosive to skin and eyes on contact. RCRA hazardous waste
United 814-W	Amine complex	Minor skin and eye irritant. Fatal if swallowed. Hazardous waste not specified.
Union Carbide Quenchant RL	Polyalkylene glycol	Steam produced can be eye and lung damage. Certain reactions with amines can produce cancer causing agent. Not RCRA hazardous waste.
Blast Degreaser/Solvent	Alkaline detergents	Eye, lung, swallowing irritant. Not RCRA hazardous waste
Roto-Brite	Biodegradable cleaning compound	Eye and skin irritant. Not RCRA hazardous waste
Hydraclean 55	Biodegradable, Not specified	Eye and skin irritant. Not RCRA hazardous material.
Perlube	Paraffinic distillate	Not hazardous, but classified as an oil.
Perlube	Synthetic gear oil	Not hazardous but classified as an oil
Perchem 9201	Soluble oil	Not hazardous but classified as an oil
Perkut 486	Cutting oil, chlorinated paraffin	Not hazardous but classified as an oil

Perkool	Boric acid, diethylene glycol, methylbenzotriazole, and triethanolamine	Eye irritant. Not hazardous
Perkut 231	Hydrotreated light napthenic oil and napthenic distillate heavy	Not hazardous but classified as an oil
Perkut 284	Hydrotreated light napthenic oil, paraffinic distillates light, and tertiary nonyl polysulfide	Not hazardous but classified as an oil
Perkote 10-500	Boric acid, octanoic acid, monoethanolamine, triethanolamine, and n-octenyl succinic anhydride	Eye irritant. Not hazardous
Perkote 40-264	Paraffinic distillates light and aliphatic hydrocarbon	Combustible. Eye, skin and lung irritant. Not hazardous but classified as an oil
Perkote 30-268	Hydrotreated light napthenic oil and aliphatic hydrocarbon	Combustible. Eye, skin and lung irritant. Not hazardous but classified as an oil.
Perkote 10-700	Triazine biocide, diethanolamine, monoethanolamine, and triethanolamine	Eye irritant. Certain reactions with amines can produce cancer causing agent. Not hazardous.
Perkool 4246	Boric acid, triazine biocide, hexylene glycol, hydrotreated light napthenic oil, ionic surfactant, monoethanolamine, triethanolamine.	Eye irritant. Certain reactions with amines can produce cancer causing agent. Not hazardous.
Perkool 4220	Boric acid, triazine biocide, chlorinated paraffin, hexylene glycol, hydrotreated light napthenic oil, ionic surfactant, and triethanolamine	Certain reactions with amines can produce cancer causing agent. Not hazardous
Perlube airline oil	Paraffinic distillate light	Not hazardous but classified as an oil.
Perlube APG-90	Extreme pressure additive, paraffinic distillate heavy, and paraffinic distillate medium	Not hazardous but classified as an oil.
Perchem 7308-BL	Phosphorous mixture, hydrotreated light napthenic oil, and di-tertiary-nonyl polysulfide	Not hazardous but classified as an oil.
Perchem 3322-L	Chlorinated paraffin, hydrotreated light napthenic	Not hazardous but classified as an oil.

	oil, and paraffinic distillates light	
Perchem 3000	Hydrotreated light naphthenic oil, naphthenic distillate heavy	Not hazardous but classified as an oil.
Perchem 2580-BT	Hydrotreated light naphthenic oil, naphthenic distillate heavy	Not hazardous but classified as an oil.
Perchem 1382-KV	Boric acid, potassium hydroxide, sodium metasilicate, tetrasodium EDTA, phosphorous compound, octanoic acid, and glycol ether compounds	Eye, skin, and ingestion irritant. Not hazardous RCRA hazardous waste
Perchem 1245	Potassium hydroxide, tetrasodium EDTA, Octenyl succinic anhydride	Corrosive to eyes, skin, and ingestion. Not RCRA hazardous waste.
Perchem 1000	Aliphatic hydrocarbon	Eye, skin, inhalation, and ingestion irritant. Not RCRA hazardous waste.
Ductile irons and gray irons	Iron	Cutting, grinding, and welding can cause hazardous dust, mist or fumes. RCRA hazardous waste.
MFS-250-LX	2-butoxyethanol and sec-butyl alcohol	Eye, skin, and ingestion irritant. RCRA hazardous waste.
Anhydrous ammonia	Ammonia, water, oil	Corrosive to eye, skin, and inhalation. RCRA hazardous waste.
Lubriplate	Lithium soap, mineral oil, additives	Eye, skin, and ingestion irritant. Not hazardous but classified as an oil.
Condursal 0090	Boron oxides and xylene	Combustible, Eye, inhalation, skin, and ingestion irritant. RCRA hazardous waste.
Aqua quench 365	2-diethylaminoethanol	Eye, skin, and ingestion irritant. Not RCRA hazardous waste.
CLC Lube	Petroleum hydrocarbon blend	Eye, skin, and ingestion irritant. Not hazardous but classified as an oil.
Aqua ammonia	Ammonia, water	Corrosive to eye, skin, and inhalation. RCRA hazardous waste.
Amerlock	Titanium dioxide, carbon black, phthalo blue, phthalo	Combustible. Skin, inhalation and ingestion

	green, chromium oxide, yellow iron oxide, yellow pigment, azo permanent yellow, permanent yellow pigment, monoazo organic yellow, iron oxide, monastral red, silica, xylene, high flash naphtha, propylene glycol methyl ether acetate, propylene glycol t-butyl ether, theology additive, epoxy resin, 1,2,4-trimethyl benzene	irritant. RCRA hazardous waste.
Ethylene glycol	Ethylene glycol	Eye and skin irritant. RCRA hazardous waste.
Borotheene non-cfc precision vapor degreasing agent	Halogenated hydrocarbon	Eye, skin, inhalation, and ingestion irritant. RCRA hazardous waste.
Zep Velvet	Sodium lauryl sulfate	Eye and skin irritant. Not a RCRA hazardous waste.
Tri-chem 121-B	Nonyl phenol, m-Xylene diamine, and isophorone diamine	Combustible, Eye, skin, inhalation, and ingestion corrosive. RCRA hazardous waste.
Simple Green	Octyl decyl dimethyl ammonium chloride, dioctyl dimethyl ammonium chloride, didecyl dimethyl ammonium chloride, alkyl dimethyl benzyl ammonium chloride	Eye irritant. Not hazardous waste.
Perkool 748-EP	Boric acid, triazine biocide, hexylene glycol, monoethanolamine, triethanolamine	Eye irritant. Certain reactions with amines can produce cancer causing agent. Not hazardous waste.
Perkool 714-P	Boric acid, octanoic acid, mixed fatty acids, monoethanolamine, triethanolamine	Not hazardous waste.
Perchem 7717	No hazardous materials	Eye and skin irritant. Not hazardous waste.
Perchem 7700	Triazine biocide	Eye, skin and ingestion irritant. Not hazardous waste.
Perchem 4949	No hazardous materials	Not hazardous waste but classified as oil.

Perchem 2330	Hydrotreated light napthenic oil	Not hazardous waste but classified as oil.
Perchem 1398-50	Potassium hydroxide, 1-hydroxyethane-1 and 1-diphosphonic acid.	Eye, skin and ingestion irritant. Not hazardous waste.
Perchem 1334	Sodium hydroxide, trisodium phosphate and glycol ether compounds	Eye, skin and ingestion irritant. Certain reactions with amines can produce cancer causing agent. Not hazardous waste.
Perchem 1325	Potassium hydroxide, octanoic acid, triethanolamine, n-octenyl succinic anhydride	Eye, skin, and ingestion irritant. Certain reactions with amines can produce cancer causing agent. Not hazardous waste.
Perchem 1244	Boric acid, potassium hydroxide, trisodium phosphate, tetrasodium EDTA, octanoic acid, and n-octenyl succinic anhydride	Corrosive to skin, eye, respiratory tract, and digestive tract. RCRA hazardous waste.
Symtilo 9954	Ethanol, 2,2',2n-nitilotris and boron sodium oxide	Eye irritation. Not hazardous waste.
Tribol MWO	Heavy napthenic distillates and sulfurized oils	Eye, skin, and inhalation irritant. Not hazardous waste but classified as oil.
Castol Kleen	Potassium hydroxide, ethanol, and 2-amino	Corrosive to skin, eye, respiratory tract and digestive tract. RCRA hazardous waste.